C 51.9: 67/8

April 25, 1967

GOVERNMENT-WIDE INDEX

to Federal Research & Development Reports

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Government-Wide

INDEX TO FEDERAL RESEARCH AND DEVELOPMENT REPORTS

UNCLASSIFIED REPORTS ANNOUNCED IN

NUCLEAR SCIENCE ABSTRACTS (NSA)
Atomic Energy Commission

SCIENTIFIC & TECHNICAL AEROSPACE REPORTS (STAR)
National Aeronautics and Space Administration

TECHNICAL ABSTRACT BULLETIN (TAB)
Defense Documentation Center

U.S. GOVERNMENT
RESEARCH & DEVELOPMENT REPORTS (USGRDR)
Clearinghouse for Federal Scientific and Technical Information

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PURPOSE

Government-Wide Index is published to satisfy a need for a single reference guide to new unclassified Government-sponsored research and development in the physical sciences, engineering, and related technology. It also serves as the index to *USGRDR*. It is compiled from records of the current announcement journals of the Atomic Energy Commission, National Aeronautics and Space Administration, Defense Documentation Center, and the Clearinghouse.

FORMAT

The indexing records related to Government research and development reports of the four journals are merged under the five indexes of subject, personal author, corporate author, contract number, accession/report number. Detailed instructions for using each index are presented under "How To Use Indexes" following the foreword.

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U.S. DEPARTMENT OF COMMERCE
Alexander B. Trowbridge, Acting Secretary

CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION
Bernard M. Fry, Director

Use of funds for this publication approved by the Director of the Bureau of the Budget, January 27, 1965

FOREWORD

GOVERNMENT-WIDE INDEX TO FEDERAL RESEARCH & DEVELOPMENT REPORTS is produced by computer from machineable records generated by four Federal agencies which announce R&D reports. Machineable records from the Atomic Energy Commission, the National Aeronautics and Space Administration, the Defense Documentation Center and the Clearinghouse for Federal Scientific and Technical Information are merged to produce GWI. GWI Indexes all of the reports announced in its companion abstract journal, U. S. GOVERNMENT RESEARCH AND DEVELOPMENT REPORTS.

There are some format errors and inconsistencies in this index resulting from the machine merger of the data generated by several agencies. Efforts are being made to correct these inconsistencies. The agencies involved are working with a task group of the Committee on Scientific and Technical Information to develop improved interagency standards which will eliminate these problems.

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The access points to technical reports listed in this index include:

- Subject
- Personal Author
- Corporate Author
- Contract Number
- Accession/Report Number

Each index is arranged alphnumerically (that is, alphabetical data precedes numerical data). A typical entry is as follows:

ACOUSTIC EQUIPMENT[a]
INSTRUMENT FOR ACOUSTIC AND VIBRATION MEASUREMENTS.[b]
AD-627 041[c] 20A[d] T 66 05[e] HC$ 3.00 MF$ 0.65[f]

[a] Index entry.

[b] Title of report.

[c] Accession/report number—that number used by the announcing agency to uniquely identify the report. Use THIS number and title when ordering documents from the Clearinghouse.

[d] Field/group designation.

[e] Code for journal, volume, and issue number in which the report is announced and abstracted.

U—U. S. Government Research & Development Reports, Clearinghouse for Federal Scientific and Technical Information.

T—Technical Abstract Bulletin, Defense Documentation Center of the Department of Defense.

N—Nuclear Science Abstracts, Atomic Energy Commission.

S—Scientific and Technical Aerospace Reports, National Aeronautics and Space Administration.

[f] Clearinghouse prices for hardcopy (HC) and microfiche (MF).

INDEXES

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Entries are arranged by the subject terms assigned by the contributing agency (this means "asterisked" descriptors for USGRDR entries, subject headings for STAR and NSA). The subject term appears at the beginning of each entry. The title of the report is indented below the subject term. For NSA entries, the "modifier" which is assigned by AEC is used in place of the title. The "accession number" line giving field/group, journal, and price information for the report follows the last line of the title. If two or more reports are indexed under the same subject term, they are listed in accession number sequence under the term (separated by a blank line). If two or more reports under a subject term have identical titles, the title is printed once and the different accession number lines are printed below the title.

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  SPHERICAL SHELLS.
  AD-626 688                          20N T 66 05 HC$  3.00 MF$  0.65
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BATTELLE-NORTHWEST, RICHLAND, WASH. PACIFIC NORTHWEST LAB.
  PROMETHIUM ISOTOPIC POWER DATA SHEETS.
  BNWL-C-45                           18N U 91 05 HC$  3.00 MF$  0.65

  SELECTIVE AND SENSITIVE ANALYSIS OF ACTIVATION PRODUCTS BY
  MULTIDIMENSIONAL GAMMA RAY SPECTROMETRY.
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ANL-7082                              18I U 91 05 HC$  3.00 MF$  0.65
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Volume 67 Number 8

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SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS (STAR)	Vol. 5, No. 7
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KINETICS OF THE ADDITION OF ACIDS TO OLEFINS WITH AND WITHOUT BORON FLUORIDE CATALYSIS.
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CATECHOLAMINE EXCRETION IN ADRENO-DEMEDULLATED RATS EXPOSED TO COLD AFTER CHRONIC GUANETHIDINE TREATMENT.
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ORTHO-SUBSTITUTION REARRANGEMENT OF 2- AND 4-SUBSTITUTED BENZYLTRIMETHYLAMMONIUM IONS HAVING FUNCTIONAL SURSTITUENTS.
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POLYNOMIAL APPROXIMATION OF FUNCTIONS ANALYTIC IN A DISK.
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THE APPROXIMATE SOLUTION OF RICCATI S EQUATION.
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METRIC ENTROPY AND APPROXIMATION.
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CONTINUUM RADIATION IN AN ARGON POSITIVE COLUMN.
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AD-647 650 1B U67 08

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RESEARCH REPORTS, JULY 1, 1964 - JUNE 30, 1965.
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TRANSPORT OF STRONTIUM-90 TOWARDS THE EQUATOR AT MID-DEPTHS IN THE ATLANTIC OCEAN,
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PRECURSOR INFRARED RADIATION FROM HYPERVELOCITY ABLATING VEHICLES,
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GEOMAGNETIC AND IONOSPHERIC EFFECTS OF MAGNETOSPHERIC MOTIONS.
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RADIATIVE AND COLLISION-INDUCED RELAXATION OF ATOMIC STATES IN THE 2P(5)3P CONFIGURATION OF NEON,
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ATOMIC ENERGY LEVELS, RELAXATION TIME
RELAXATION OF OSCILLATORS IN A GAS,
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RADIO-FREQUENCY SIZE-EFFECT LINE SHAPE FOR GALLIUM,
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TUNNELING STUDIES ON THE GROUP V SEMIMETALS AND THE IV-VI SEMICONDUCTORS.
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AD-647 489 3B U67 08

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THE APPROXIMATE SOLUTION OF RICCATI S EQUATION.
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THE PROBLEM OF ORGANISMIC RELIABILITY.
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THE PRESSURE-FLOW RELATIONSHIP IN LONG-WAVE PROPAGATION IN LARGE ARTERIES.
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BLOOD PRESSURE, MICE
MOUSE PREPARATION FOR PHARMACODYNAMICS STUDIES.
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LOW SUBSONIC STATIC AND DYNAMIC STABILITY CHARACTERISTICS OF TWO BLUNT 120 DEG CONE CONFIGURATIONS.
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ABORIGINAL WATERCRAFT ON THE PACIFIC COAST OF SOUTH AMERICA.
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BODY FLUIDS, ABSORPTION(BIOLOGICAL)
ENHANCEMENT OF PERITONEAL FLUID ABSORPTION BY DEHYDRATION, MERCAPTOMERIN AND VASOPRESSIN.
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BODY TEMPERATURE, CONTROL
FURTHER OBSERVATIONS ON CHRONIC DEFICITS OF TEMPERATURE REGULATION PRODUCED IN CATS BY PREOPTIC LESIONS.
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BOILING WATER REACTOR STABILITY STUDIES QUARTERLY REPORT, 1 JAN. - 31 MAR. 1966.
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KINETIC STUDIES OF HETEROGENEOUS WATER REACTORS. ANNUAL SUMMARY REPORT.
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INVESTIGATION OF THE UTILITY OF LOW SPEED DYNAMIC MODEL TESTS FOR AIRCRAFT STORE LAUNCH RESEARCH.
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SURGICAL PREPARATION OF THE ORAL CAVITY FOR PROSTHESIS FOLLOWING RESECTION OF THE LOWER JAW AND FILLING OF THE DEFECT WITH BONE IMPLANT.
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BORATES, MAGNETIC PROPERTIES
FOREIGN SCIENCE BULLETIN, VOL. 3, NO. 2, 1967.
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THE APPLICATION OF A BORON COUNTER WITH CH2 MODERATOR IN NEUTRON DOSIMETRY.
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LOW-TEMPERATURE SPECIFIC HEAT AND DENSITY OF STATES OF BORONATED GRAPHITE.
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DIVERGENCE OF RENORMALIZED VS CONVERGENCE OF REGULARIZED PERTURBATIVE EXPANSIONS IN A FIELD-THEORETICAL MODEL.
AD-647 627 20J U67 08

BOSONS, STABILITY
STABILITY CONDITIONS FOR A BOSON SYSTEM INTERACTING WITH A PARTLY REPULSIVE AND PARTLY ATTRACTIVE POTENTIAL.
AD-647 629 20J U67 08

BOSONS, VELOCITY
VORTICES IN AN IMPERFECT BOSE GAS. IV. TRANSLATIONAL VELOCITY.
AD-647 755 20D U67 08

BOUNDARY VALUE PROBLEMS, ACOUSTICS
ON THE HELMHOLTZ EQUATION FOR AN ACOUSTICALLY RIGID SCATTERER.
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SOME THREE-DIMENSIONAL INCLUSION PROBLEMS IN ELASTICITY.
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NUMERICAL SOLUTION OF MAGNETIC FIELD BOUNDARY-VALUE PROBLEMS.
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SINGULAR INTEGRALS AND A BOUNDARY VALUE PROBLEM FOR THE HEAT EQUATION.
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BRAIN, PATHOLOGY
ENCEPHALOPATHY IN GRADED PORTACAVAL SHUNTS.
AD-647 336 6E U67 08

BRASS, DISLOCATIONS
THE UNIQUE FEATURE OF A LOW ANGLE BOUNDARY IN THE CU-ZN SUPERLATTICE.
AD-647 359 20B U67 08

BRAYTON CYCLE
PRELIMINARY EXPERIMENTAL EVALUATION OF A BRAYTON CYCLE TURBOCOMPRESSOR OPERATING ON GAS BEARINGS.
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EBR-II FUEL-UNLOADING MACHINE DESIGN AND PERFORMANCE CHARACTERISTICS.
ANL-7201 18I N21 05 HC$ 3.00 MF$ 0.65

BREMSSTRAHLUNG, PLASMA MEDIUM
USE OF QUANTUM FIELD THEORY METHODS IN THE PROBLEM OF MANY BODIES SELECTED ARTICLES.
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NORMAL STRESSES IN BEAMS DUE TO NON-UNIFORM TORSION.
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BEHAVIOR OF A SKEW STEEL-DECK BRIDGE UNDER STATIC AND

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CHEMICAL COMPOSITION AND BIOLOGICAL PROPERTIES OF THE ENDOTOXIN OF BRUCELLA ABORTUS.
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A STUDY OF THE VIRULENCE OF THE BRUCELLA VACCINE STRAIN FOLLOWING ITS PRESENCE IN AN IRRADIATED ORGANISM.
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EVALUATION OF BROOM FILAMENTS FOR POWERED SWEEPERS.
AD-647 352 13B U67 08 HC$ 3.00 MF$ 0.65

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BOILING WATER REACTOR STABILITY STUDIES QUARTERLY REPORT, 1 JAN. - 31 MAR. 1966.
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N67-17942 20M S05 07 HC$ 3.00 MF$ 0.65

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MECHANISM OF STEAM BUBBLE FORMATION.
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THE BUCKLING OF CYLINDRICAL SHELLS STATUS REPORT NO. 10.
N67-17878 20K S05 07 HC$ 3.00 MF$ 0.65

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RECENT WORK ON STELLAR INTERIORS A BIBLIOGRAPHY OF MATERIAL PUBLISHED BETWEEN 1958 AND MID-1966.
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IMMUNOLOGIC PHENOMENA IN BURN INJURIES.
AD-647 105 6F U67 08

BUTANOLS, PYROLYSIS
QUANTITATIVE ASPECTS ON THERMAL STABILITY OF ORGANIC COMPOUNDS.
AD-647 707 7C U67 08 HC$ 3.00 MF$ 0.65

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CADMIUM AND ZINC CHELATES OF HEXAFLUOROACETYLACETONE. THE GAS PHASE REACTION OF A NOVEL VOLATILE CADMIUM COMPLEX WITH HYDROGEN SULPHIDE.
AD-647 779 7C U67 08

CADMIUM SULFIDE
MECHANISM OF CADMIUM SULFIDE FILM CELL.
N67-17507 10A S05 07 HC$ 3.00 MF$ 0.65

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FIELD EMISSION FROM CADMIUM SULPHIDE.
AD-645 957 20L U67 08

CADMIUM SULFIDES, FIELD THEORY
STUDY OF LAYER-LIKE FIELD INHOMOGENEITIES IN CDS USING FRANZ KELDYSH EFFECT.
AD-647 312 20L U67 08 HC$ 3.00 MF$ 0.65

CADMIUM SULFIDES, FILMS
CADMIUM AND ZINC CHELATES OF HEXAFLUOROACETYLACETONE. THE GAS PHASE REACTION OF A NOVEL VOLATILE CADMIUM COMPLEX WITH HYDROGEN SULPHIDE.
AD-647 779 7C U67 08

CADMIUM SULFIDES, REFRACTIVE INDEX
TEMPERATURE AND PRESSURE DEPENDENCE OF THE INDEX OF REFRACTION OF CDS.
AD-647 780 20L U67 08

CADMIUM, CYCLOTRON RESONANCE PHENOMENA
CYCLOTRON RESONANCE INVESTIGATION OF THE FERMI SURFACE OF CADMIUM.
AD-647 437 20H U67 08

CALCIUM COMPOUNDS, PYROLYSIS
THE KINETICS OF CALCIUM OXALATE PYROLYSIS.
AD-647 866 7D U67 08

CALCIUM FLUORIDE
IONIC CONDUCTIVITY OF CALCIUM AND STRONTIUM FLUORIDES.
N67-19146 7D S05 07 HC$ 3.00 MF$ 0.65

CALCIUM FLUORIDES, LOW-TEMPERATURE RESEARCH
NUCLEAR MAGNETIC RELAXATION IN RARE-EARTH-DOPED CAF2 CRYSTALS AT LOW TEMPERATURES.
AD-647 436 20H U67 08

CALCIUM FLUORIDES, REDUCTION(CHEMISTRY)
CHARGE CONVERSION OF IRRADIATED RARE-EARTH IONS IN CALCIUM FLUORIDE.
AD-647 175 7D U67 08 HC$ 3.00 MF$ 0.65

CALCIUM, METABOLISM
A STUDY OF CALCIUM, PHOSPHORUS, AND NITROGEN MOBILIZATION RESULTING FROM CONDITIONS OF INACTIVITY IN MACACA IRUS MONKEYS.
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OPTIMAL CONTROL PROBLEMS AS EXTREMAL PROBLEMS IN A BANACH SPACE.
AD-647 456 12B U67 08

CALCULUS OF VARIATIONS, EQUATIONS OF MOTION
VARIATION OF PARAMETERS BY POISSON S METHOD.
AD-647 293 12A U67 08 HC$ 3.00 MF$ 0.65

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ON NUMERICAL RESULTS OF A ONE-DIMENSIONAL UNSTEADY VARIATIONAL METHOD IN MGD.
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HIGH GAIN DIFFERENTIAL AMPLIFIER HEWLETT-PACKARD 153.
PB-174 250 9E U67 08 HC$ 3.00 MF$ 0.65

CALIBRATION, OSCILLOSCOPES
OSCILLOSCOPES OS-4A/AP(AN/USM-25A) AND OS-4B/AP(AN/USM-25B).
PB-174 248 9E U67 08 HC$ 3.00 MF$ 0.65

OSCILLOSCOPE OS-106/USM-117.
PB-174 247 9E U67 08 HC$ 3.00 MF$ 0.65

CALIBRATION, PREAMPLIFIERS
OSCILLOSCOPE PREAMPLIFIER TEKTRONIX 53/54L OR L.
PB-174 228 9E U67 08 HC$ 3.00 MF$ 0.65

DUAL TRACE PREAMPLIFIER MX-2995/USM-117.
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OSCILLOSCOPE PREAMPLIFIER TEKTRONIX TYPE C, CA OR 53/54C.
PB-174 246 9E U67 08 HC$ 3.00 MF$ 0.65

CALIBRATION, RADIO EQUIPMENT
RADIO TEST SET AN/TRM-3.
PB-174 242 17B U67 08 HC$ 3.00 MF$ 0.65

CALIBRATION, SIGNAL GENERATORS
RF SIGNAL GENERATOR AN/URM-25F.
PB-174 243 9A U67 08 HC$ 3.00 MF$ 0.65

CALIBRATION, TEST SETS
ASE BENCH TEST SET. PART NO. A92E5862-1, A02F5862-3 STOCK NO. RX4920-875-1994-SVER, RX4920-930-8044-SVER (BOEING-VERTOL).
PB-174 248 9E U67 08 HC$ 3.00 MF$ 0.65

CALIBRATION, TRANSISTORS
TRANSISTOR TESTER TS-1100A/U SIERRA 219R AND 219Z.
PB-174 193 9A U67 08 HC$ 3.00 MF$ 0.65

CALIBRATION, VOLTAGE REGULATORS
VOLTAGE AND ISOLATION TEST SET AN/APN-218.
PB-174 194 9E U67 08 HC$ 3.00 MF$ 0.65

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BUDGET OF LITTORAL SANDS IN THE VICINITY OF POINT ARGUELLO, CALIFORNIA.
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AERODYNAMIC CHARACTERISTICS AT MACH 2.03 OF A SERIES OF CURVED-LEADING-EDGE WINGS EMPLOYING VARIOUS DEGREES OF TWIST AND CAMBER.
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N67-18187 10J S05 07 HC$ 3.00 MF$ 0.65

CANCER, EYE
RING-SHAPED LIMBAL TUMOR. SECONDARY TO UNRECOGNIZED DIFFUSE MALIGNANT MELANOMA OF THE UVEA.
AD-647 607 6F U67 08

CANCER, RADIOBIOLOGY
THE RADIOBIOLOGY OF THE CANCER CELL.
AD-647 752 6R U67 08 HC$ 3.00 MF$ 0.65

CANCER, SKIN
ADENOID SQUAMOUS CELL CARCINOMA (ADENOACANTHOMA). A CLINICOPATHOLOGIC STUDY OF 155 PATIENTS.
AD-647 605 6E U67 08

CANCER, TRANSPLANTATION
CHROMOSOMAL CHANGES ASSOCIATED WITH ALTERED BIOLOGICAL CHARACTERS IN HOMOLOGOUS TRANSPLANTS.
AD-647 131 6C U67 08 HC$ 3.00 MF$ 0.65

CANTILEVER BEAMS, DAMPING
DYNAMIC BEHAVIOR OF CIRCULAR PLATES AND BEAMS WITH INTERNAL AND EXTERNAL DAMPING.
ANL-7239 13M N21 05 HC$ 3.00 MF$ 0.65

CAPACITORS, FILMS
THIN FILM RC NETWORKS FOR SILICON INTEGRATED CIRCUITS.
AD-647 385 9E U67 08 HC$ 3.00 MF$ 0.65

HIGH PERFORMANCE THIN FILMS FOR MICROCIRCUITS.
AD-647 891 9A U67 08 HC$ 3.00 MF$ 0.65

CARBIDE
STRUCTURE OF ALLOYS OF THE ZR- C- NB SYSTEM.
N67-17515 11F S05 07 HC$ 3.00 MF$ 0.65

STRUCTURE OF ALLOYS OF THE ZR- C- TA SYSTEM.
N67-17517 11F S05 07 HC$ 3.00 MF$ 0.65

CARBIDES, MELTING POINT
QUARTERLY METALLURGY PROGRESS REPORT NO. 32, JULY 1- SEPTEMBER 30, 1966.
USBM-RC-1964 11F N21 05 HC$ 3.00 MF$ 0.65

CARBIDES, PLUTONIUM COMPOUNDS
THE DETERMINATION OF FREE (UNCOMBINED) CARBON IN PLUTONIUM CARBIDES.
LA-3693 7D N21 05 HC$ 3.00 MF$ 0.65

CARBOHYDRATES, DIET
FACTORS AFFECTING THE EFFICIENCY OF A CHEMICALLY DEFINED DIET.
AD-647 836 6A U67 08 HC$ 3.00 MF$ 0.65

CARBON DIOXIDE
COUPLED VIBRATION AND DISSOCIATION RELAXATION BEHIND STRONG SHOCK WAVES IN CARBON DIOXIDE.
N67-17616 7D S05 07 HC$ 3.00 MF$ 0.65

CARBON DIOXIDE REMOVAL
STUDY OF ELECTROLYTIC DISSOCIATION OF CO2-H2O USING A SOLID OXIDE ELECTROLYTE.
N67-17176 7D S05 07 HC$ 3.00 MF$ 0.65

CARBON DIOXIDE, BAND SPECTRUM
TEMPERATURE DEPENDENCE OF THE TOTAL INTENSITY OF DIFFERENCE-BAND SYSTEMS THE 10-MICRON BAND SYSTEM OF CO2.
AD-647 130 7D U67 08

CARBON DIOXIDE, GAS IONIZATION
FAST ION-MOLECULE REACTION IN CO2.
AD-647 828 7D U67 08

CARBON TETRACHLORIDE, POISONING
HEPATIC MICROCIRCULATORY CHANGES IN ACUTE AND CHRONIC CARBON TETRACHLORIDE POISONING IN RATS.
AD-647 569 6E U67 08

CARBONATE MINERALS, PETROLOGY
PETROGENETIC LINKS BETWEEN PERIDOTITE MAGMAS AND CARBONATITES.
PR-174 125 8G U67 08 HC$ 3.00 MF$ 0.65

CARDIOVASCULAR SYSTEM, HEMORRHAGE
CARDIOVASCULAR TRAUMA STUDY ON PERIPHERAL VESSELS.
AD-647 344 6E U67 08 HC$ 3.00 MF$ 0.65

CARGO SHIPS, MANPOWER
SHIPBOARD SYSTEMS COSTS A FUNCTIONAL ANALYSIS OF WORK ABOARD SHIP. THE SS HAWAIIAN MERCHANT A DRY CARGO SHIP IN THE U.S. PACIFIC COAST-HAWAIIAN SERVICE.
AD-647 613 13J U67 08 HC$ 3.00 MF$ 0.65

CARGO SHIPS, SYSTEMS ENGINEERING
SHIPBOARD SYSTEMS COSTS, A FUNCTIONAL ANALYSIS OF WORK ABOARD SHIP THE SS EDGAR F. LUCKENBACH, A DRY CARGO SHIP IN THE INTER-COASTAL TRADE.
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CASTING, DENTISTRY
A RAPID-GELLING SHELL CASTING INVESTMENT.
AD-647 857 6E U67 08

CATALOGS, MICROFILM
COMPUTER-PRODUCED MICROFILM LIBRARY CATALOG.
AD-647 174 9B U67 08

CATALYSIS, ELECTROCHEMISTRY
INVESTIGATION OF MECHANISMS FOR ELECTROCHEMICAL CATALYSIS.
AD-647 789 18R U67 08 HC$ 3.00 MF$ 0.65

CATALYSTS, PYROLYSIS
REACTIVE INTERMEDIATES AND POTENTIAL CATALYSTS.
AD-647 222 7D U67 08 HC$ 3.00 MF$ 0.65

CATHODE
OXIDE-CATHODE DURABILITY IN MERCURY ELECTRON-BOMBARDMENT ION THRUSTOR.
N67-17582 21C S05 07 HC$ 3.00 MF$ 0.65

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HIGH-CURRENT-DENSITY CATHODE-RAY TUBE ELECTRON SOURCE.
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CELESTIAL GUIDANCE, STARS
ASTROGEODETIC INSTRUMENTATION AND FIELD SERVICES ENGINEERING.
AD-647 300 8E U67 08 HC$ 3.00 MF$ 0.65

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BIRKHOFF NORMALIZATION PROCESS PROGRAM FOR TIME-INDEPENDENT HAMILTONIAN SYSTEMS.
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AD-647 440 3C U67 08

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ANALYSIS OF SEXTANT NAVIGATION MEASUREMENTS DURING LUNAR MODULE RENDEZVOUS.
N67-19155 17G S05 07 HC$ 3.00 MF$ 0.65

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ANALYTICAL METHODS AND OBSERVATIONAL REQUIREMENTS FOR INTERPRETATION OF ASTEROID DISTRIBUTIONS.
N67-17961 3B S05 07 HC$ 3.00 MF$ 0.65

COOLING AND DETECTABILITY OF NEUTRON STARS.
N67-18198 3B S05 07 HC$ 3.00 MF$ 0.65

CELL DIVISION, DESOXYRIBONUCLEIC ACIDS
DNA SYNTHETIC RATE AND DNA CONTENT OF NUCLEATED ERYTHROID CELLS.
AD-647 836 6P U67 08 HC$ 3.00 MF$ 0.65

CENTAUR LAUNCH VEHICLE
NEUTRAL PARTICLE COMPOSITION OF THE UPPER ATMOSPHERE.
N67-17841 4A S05 07 HC$ 3.00 MF$ 0.65

CENTRAL NERVOUS SYSTEM, BODY TEMPERATURE
FURTHER OBSERVATIONS ON CHRONIC DEFICITS OF TEMPERATURE REGULATION PRODUCED IN CATS BY PREOPTIC LESIONS.
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CENTRAL NERVOUS SYSTEM, ELECTROENCEPHALOGRAPHY
CORRELATIONS ENTRE NIVEAU DE CONSCIENCE, E.F.G. ET POTENTIELS EVOQUES CHEZ L HOMME (LEVEL OF CONSCIOUSNESS, EEG AND EVOKED POTENTIALS IN MAN).
AD-647 859 6P U67 08

CERAMIC COATING
PRELIMINARY TESTS OF INSULATED ACCELERATOR GRID FOR ELECTRON BOMBARDMENT THRUSTOR.
N67-17512 21C S05 07 HC$ 3.00 MF$ 0.65

CERAMIC MATERIALS, MECHANICAL PROPERTIES
RELATION OF MECHANICAL PROPERTIES TO THE STRUCTURE OF IONIC SOLIDS.
AD-647 849 11B U67 08 HC$ 3.00 MF$ 0.65

PLASTICITY AND FRACTURE OF CERAMICS.
AD-647 625 11B U67 08 HC$ 3.00 MF$ 0.65

CERAMICS
IDENTIFYING OPTIMUM PARAMETERS OF HOT EXTRUSIONS PROGRESS REPORT, 11 OCT. 1966 - 11 JAN. 1967.
N67-18053 13H S05 07 HC$ 3.00 MF$ 0.65

CEREBELLUM
NERVOUS PROCESSES UNDERLYING BEHAVIOR AND LEARNING FINAL SCIENTIFIC REPORT, 1 MAY 1965 - 30 APR. 1966.
N67-17679 6P S05 07 HC$ 3.00 MF$ 0.65

CEREBROVASCULAR SYSTEM, DISEASES
INSTRUMENT CONCEPTS DEVELOPING A MULTI-PARAMETER VASCULAR ACTIVITY METER.
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CERENKOV RADIATION, COSMIC RAY BURSTS
CERENKOV LIGHT FROM EXTENSIVE AIR SHOWERS.
AD-647 890 3B U67 08 HC$ 3.00 MF$ 0.65

CESIUM, NUCLEAR MAGNETIC RESONANCE
NUCLEAR SPIN RELAXATION IN CS METAL.
AD-647 323 20L U67 08

CESIUM, SORPTION
PRELIMINARY STUDY OF CESIUM SORPTION FROM ACID WASTE SOLUTIONS UTILIZING PHOSPHATE EXCHANGERS.
BNWL-278 18G N21 05 HC$ 3.00 MF$ 0.65

CHALCOGENS, SYNTHESIS(CHEMISTRY)
HIGH-PRESSURE (70-KBAR) SYNTHESIS OF NEW CRYSTALLINE LEAD DICHALCOGENIDES.
AD-647 592 7B U67 08

CHAR
DECOMPOSITION CHARACTERISTICS OF A CHAR- FORMING PHENOLIC POLYMER USED FOR ABLATIVE COMPOSITES.
N67-18143 11I S05 07 HC$ 3.00 MF$ 0.65

CHARGED PARTICLES, ATMOSPHERE
PARTICLE FALLOUT AND DISPERSION IN THE ATMOSPHERE.
SC-CR-66-2031 22C N21 05 HC$ 3.00 MF$ 0.65

CHARGED PARTICLES, DECELERATION
USE OF QUANTUM FIELD THEORY METHODS IN THE PROBLEM OF MANY BODIES SELECTED ARTICLES.
AD-647 736 20I U67 08 HC$ 3.00 MF$ 0.65

CHARGED PARTICLES, EQUATIONS OF MOTION
QUARTERLY STATUS REPORT ON THE MEDIUM-ENERGY PHYSICS PROGRAM FOR PERIOD ENDING OCTOBER 31, 1966.
LA-3624-MS 20G N21 05 HC$ 3.00 MF$ 0.65

CHARGED PARTICLES, IONOSPHERE
COMPUTED ELECTRON, ION, AND NEUTRAL DENSITY PROFILES FOR THE SOLAR ECLIPSE OF 12 NOVEMBER 1966.
AD-646 975 3C U67 08 HC$ 3.00 MF$ 0.65

CHARGED PARTICLES, MAGNETIC MOMENTS
MAGNETIC MOMENT TO SECOND ORDER FOR AXISYMMETRIC STATIC FIELD.
AD-647 487 20I U67 08

CHARGED PARTICLES, NUMERICAL ANALYSIS
COMPUTATION OF CHARGE DISTRIBUTION ON OR NEAR EQUIPOTENTIAL SURFACES.
LA-3512 20H N21 05 HC$ 3.00 MF$ 0.65

CHARGES(EXPLOSIVE), GEOMETRIC FORMS
SONIC BANG SIMULATION BY A NEW EXPLOSIVES TECHNIQUE.
AD-647 513 20A U67 08

CHECKOUT EQUIPMENT
DATA CONDITIONING AND DISPLAY FOR APOLLO PRELAUNCH CHECKOUT, MULTI-PARAMETER MONITORING DISPLAY.
N67-18017 9B S05 07 HC$ 3.00 MF$ 0.65

CHELATE COMPOUNDS, ACETONES
CADMIUM AND ZINC CHELATES OF HEXAFLUOROACETYLACETONE, THE GAS PHASE REACTION OF A NOVEL VOLATILE CADMIUM COMPLEX WITH HYDROGEN SULPHIDE,
AD-647 779 7C U67 08

CHEMICAL ANALYSIS
METHODS FOR ANALYSIS OF ORGANIC COOLANTS A SUMMARY OF CURRENT CANADIAN PRACTICE.
N67-19107 18J S05 07 HC$ 3.00 MF$ 0.65

CHEMICAL ANALYSIS, GASES
ISOTOPIC AND CHEMICAL COMPOSITION OF SOME TERRESTRIAL NATURAL GASES,
PB-174 203 18R U67 08 HC$ 3.00 MF$ 0.65

CHEMICAL ANALYSIS, SILVER
A SELECTIVE SPOT TEST FOR SILVER WITH ARSENIC TRISULFIDE,
AD-647 317 7D U67 08

CHEMICAL ANALYSIS, X-RAY SPECTROSCOPY
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JOINT SATELLITE STUDIES GROUP. REPORT NO. 2, ANNUAL MEETING, AIX EN PROVIENCE (FRANCE).
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COMMUNICATION SYSTEMS RESEARCH AT MSFC.
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COMPLEX VARIABLES, INVARIANCE
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HIGH TEMPERATURE RESISTANT MATERIALS FOR MISSILE PROPULSION SYSTEMS.
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COMPRESSOR BLADE
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COMPRESSORS, TEST FACILITIES
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SPACEBORNE MULTIPROCESSING SEMINAR.
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A COMPUTER PROGRAM FOR SIMULATION OF PERCEPTRONS AND SIMILAR NEURAL NETWORKS USERS MANUAL.
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LEAST-SQUARES REFINEMENT OF MOLECULAR STRUCTURES FROM GASEOUS ELECTRON-DIFFRACTION SECTOR-MICROPHOTOMETER INTENSITY DATA. II. ADAPTATION TO AUTOMATIC COMPUTATION.
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UNC-SAM-2 A FORTRAN MONTE CARLO PROGRAM TREATING TIME-DEPENDENT NEUTRON AND PHOTON TRANSPORT THROUGH MATTER.
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COMPUTER SIMULATION
AUTOMATIC MALFUNCTION ANALYSIS BY DISCRETE NETWORK SIMULATION.
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CONCENTRATION(CHEMISTRY), CELLULOSE ACETATES
REVERSE OSMOSIS SEPARATION AND CONCENTRATION OF SUCROSE IN AQUEOUS SOLUTIONS USING POROUS CELLULOSE ACETATE MEMBRANES.
AD-647 099 7D U67 08

CONCENTRATION(CHEMISTRY), DETERMINATION
COMPUTER TECHNIQUES FOR MAKING BEER S LAW CALCULATIONS OF CONCENTRATIONS FROM SPECTRAL DATA.
AD-647 860 7D U67 08

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THE MOLECULAR ASPECTS OF BIOLOGICAL DEVELOPMENT.
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COMPARISON OF TWO METHODS OF OBTAINING CONFIDENCE INTERVALS FOR SYSTEM RELIABILITY.
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A REPORT OF THE PHYSIOLOGICAL, PSYCHOLOGICAL, AND BACTERIOLOGICAL ASPECTS OF 20 DAYS IN FULL PRESSURE SUITS, 20 DAYS AT 27,000 FEET ON 100 PERCENT OXYGEN, AND 34 DAYS OF CONFINEMENT, PARTS I, II, III.
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CONICAL BODIES, LAMINAR FLOW
FINITE DIFFERENCE ANALYSIS OF VISCOUS LAMINAR CONVERGING FLOW IN CONICAL TUBES.
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CONICAL FLARE
DEVELOPMENT AND TESTING OF ADVANCED SHAPED CHARGE METEORITIC SIMULATORS, PART I - SHAPED CHARGE DESIGN AND DEVELOPMENT.
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APPROXIMATE METHOD FOR THE DETERMINATION OF THE NATURAL OSCILLATION FREQUENCIES OF CYLINDRICAL, CONIC AND TOROIDAL SHELLS,
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A STUDY OF THE RESPONSE OF BACKPACKING MATERIAL ENCASING A TUNNEL LINER SUBJECTED TO A DYNAMIC DISTURBANCE,
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EXPLORATION OF METHODS TO DETERMINE THE OPTIMUM USE OF INDIGENOUS MATERIALS FOR HIGHWAY CONSTRUCTION.
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APPLICATION OF THERMO-SET PLASTICS TO PACKAGING.
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A MODEL FOR PLANETARY QUARANTINE REQUIREMENTS.
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SUBMARINE GEOLOGICAL STUDIES IN THE CONTINENTAL SHELF AND SLOPE OFF THE MEDITERRANEAN COAST OF ISRAEL.
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A CLASS OF FUNCTIONAL EQUATIONS OF NEUTRAL TYPE.
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CONTINUUM RADIATION IN AN ARGON POSITIVE COLUMN.
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CONTROL SYSTEMS, FEEDBACK
ON THE FEEDBACK CONTROL OF DISTRIBUTED PARAMETER SYSTEMS,
AD-647 320 12A U67 68

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THE HUMAN OPERATOR AS AN ELEMENT IN A CONTROL SYSTEM WITH TIME VARYING DYNAMICS,
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DISCRETE LINEAR OPTIMAL CONTROL SYSTEMS WITH ESSENTIALLY QUADRATIC COST FUNCTIONALS.
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OPTIMAL CONTROL OF DISCRETE-TIME STOCHASTIC SYSTEMS,
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CONTROL SYSTEMS, SENSITIVITY
SENSITIVITY ANALYSIS OF CERTAIN NONLINEAR CONTROL SYSTEMS,
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AN EQUIVALENT GAIN AND STOCHASTIC ANALYSIS FOR NONLINEAR SAMPLED-DATA CONTROL SYSTEMS.
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MULTI-LEVEL SYSTEMS AND UNCERTAINTIES,
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OPTIMAL BOUNDED CONTROL WITH LINEAR STOCHASTIC EQUATIONS AND QUADRATIC COST.
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ON THE FEEDBACK CONTROL OF DISTRIBUTED PARAMETER SYSTEMS,
AD-647 320 12A U67 68

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A PROPERTY OF NONSEPARATED CONVEX SETS,
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STAGNATION REGION GAS INJECTION IN LOW REYNOLDS NUMBER HYPERSONIC FLOW,
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DEFENSE PROCUREMENT AND PUBLIC UTILITY REGULATION,
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PSEUDO-BREWSTER ANGLE TECHNIQUE FOR DETERMINING OPTICAL CONSTANTS.
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MOSQUITO SALIVATION AND VIRUS TRANSMISSION.
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AN AEROBIC-BACTERIA CULTURE APPARATUS EMPLOYING A NEW FOAMBREAKER.
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SOME CROSS-CULTURAL STUDIES OF SUBJECTIVE CULTURE.
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CRITICAL INCIDENTS WITH HETERO-CULTURAL INTERACTIONS.
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CYCLOTRON RESONANCE INVESTIGATION OF THE FERMI SURFACE OF CADMIUM.
AD-647 437 20H U67 08

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OBSERVATION OF CYCLOTRON RESONANCE IN MAGNESIUM.
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OBSERVATION OF CYCLOTRON ECHOES FROM A HIGHLY IONIZED PLASMA.
AD-647 282 20H U67 08

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ION CYCLOTRON INSTABILITIES IN A BOUNDED BEAM-PLASMA SYSTEM.
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AN EXPERIMENTAL STUDY ON THE AEROELASTIC STABILITY OF THIN CYLINDRICAL SHELLS AT THE LOWER SUPERSONIC MACH NUMBERS.
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MONTE CARLO SIMULATION OF THE FLOW OF A RAREFIED GAS AROUND A CYLINDER.
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APPROXIMATE METHOD FOR THE DETERMINATION OF THE NATURAL OSCILLATION FREQUENCIES OF CYLINDRICAL, CONIC AND TOROIDAL SHELLS.
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THE OPPOSITE-STREAM PLASMA DIODE.
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LEGIBILITY OF ALPHANUMERIC CHARACTERS AND OTHER SYMBOLS. II. A REFERENCE HANDBOOK.
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DEVELOPMENT OF TECHNIQUES FOR PREPARING HOMOGENEOUS SINGLE CRYSTALS OF LEAD TELLURIDE, LEAD SELENIDE, AND LEAD SULFIDE.
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REVERBERATION CHARACTERISTICS IN THE DISCRIMINATION OF DOPPLER.
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DEVELOPMENT OF MAGNESIUM FLAT CELL BATTERY.
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FAST NEUTRON STREAMING THROUGH TWO-LEGGED CONCRETE DUCTS.
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OPTIMAL DISPATCHING POLICIES BY DYNAMIC PROGRAMMING.
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LOW SUBSONIC STATIC AND DYNAMIC STABILITY CHARACTERISTICS OF TWO BLUNT 120 DEG CONE CONFIGURATIONS.
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ELECTRIC- AND MAGNETIC-CHARGE RENORMALIZATION. II.
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TERRESTRIAL SPECTROSCOPY FOLLOWING THE RAT ISLAND EARTHQUAKE.
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LA ACTIVIDAD SISMICA EN LA REGION DE LA PENINSULA IBERICA HASTA FINES DE 1960 (THE ACTIVITY SEISMIC OF THE REGION OF THE IBERIAN PENINSULA UP TO 1960).
AD-647 669 8K U67 08

ECHINODERMATA, DESOXYRIBONUCLEIC ACIDS
A NON-NUCLEOTIDE POLYMER FOUND IN THE DNA OF THE SAND DOLLAR, ECHINARACHNIUS PARMA. II. PRELIMINARY

CHARACTERIZATION,
AD-647 524 6A U67 08

A NON-NUCLEOTIDE POLYMER FOUND IN THE DNA OF THE SAND DOLLAR, ECHINARCHNIUS PARMA. I. ISOLATION,
AD-647 527 6A U67 08

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STRESS INTENSITY FACTORS FOR CRACKLINE-LOADED EDGE-CRACK SPECIMENS.
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THE ALGEBRA OF SCALAR AND VECTOR VERTEX STRENGTHS IN REGGE RESIDUES.
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A METHOD FOR THE SOLUTION OF STOCHASTIC PROBLEMS IN LINEAR THERMOELASTICITY AND HEAT CONDUCTION.
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ELASTOMERS, ORGANIC PHOSPHORUS COMPOUNDS
RESEARCH AND DEVELOPMENT STUDIES ON WATER-REPELLENT ANTISTATIC COATINGS, MULTI-PURPOSE FLUID THICKENERS AND THERMALLY STABLE ELASTOMERIC POLYMERS.
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COMPOSITE THERMOPLASTIC/GLASS FILAMENT REINFORCEMENT FOR BUOYANT SUBMARINE CABLES RG-372 (XN-1)/U AND RG-373 (XN-1)/U.
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GRAVITATION-INDUCED ELECTRIC FIELD NEAR A METAL.
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NECESSARY CONDITIONS FOR THE REALIZABILITY OF N-PORT RESISTIVE NETWORKS WITH MORE THAN (N+1) NODES.
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ELECTROCHEMICAL DATA, PART V QUARTERLY REPORT, OCT. 1 - DEC. 31, 1966.
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DIAGNOSTIC CRITERIA FOR THE STUDY OF CHEMICAL AND PHYSICAL PROCESSES BY TWIN-ELECTRODE TWIN-LAYER ELECTROCHEMISTRY.
AD-647 633 7D U67 08

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EFFECTS OF PH ON THE ELECTROSORPTION OF OXYGEN ON FUEL CELL ELECTRODES.
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HYDROCARBON - AIR FUEL CELLS.
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NEUROPHYSIOLOGICAL AND BEHAVIORAL STUDIES OF CHIMPANZEES SEMIANNUAL REPORT, 1 JUL. - 31 DEC. 1966.
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CORRELATIONS ENTRE NIVEAU DE CONSCIENCE, E.E.G. ET POTENTIELS EVOQUES CHEZ L HOMME (LEVEL OF CONSCIOUSNESS, EEG

AND EVOKED POTENTIALS IN MAN).
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AN ELECTROHYDRODYNAMIC INDUCTION PUMP.
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DEVELOPMENT OF INJECTION ELECTROLUMINESCENT MATERIALS.
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A STUDY OF PHYSIOLOGICAL MECHANISMS AND INTER-RELATIONS BETWEEN SYSTEMIC AND REGIONAL BLOOD VOLUME, BLOOD FLOW AND ELECTROLYTE BALANCE INTERIM PROGRESS REPORT, JUL. 1 - DEC. 31, 1966.
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PREPARATION OF THIN FOILS FOR ELECTRON MICROSCOPY BY A ROTATING POLYTETRAFLUOROETHYLENE HOLDER.
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ELECTRIC- AND MAGNETIC-CHARGE RENORMALIZATION. I.
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ELECTROMAGNETIC LENSES, WAVEGUIDES
LENSES GUIDE OPTICAL FREQUENCIES TO LOW-LOSS TRANSMISSION.
AD-647 109 9A U67 08

ELECTROMAGNETIC MEASUREMENT
AN APPLICATION OF THE ELECTROMAGNETIC FLOWMETER FOR ANALYZING DYNAMIC FLOW OSCILLATIONS.
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SHIELDING EFFECTIVENESS OF PCM CABLE SYSTEM (PART I).
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BACKSCATTER OF ELECTROMAGNETIC WAVES FROM A ROUGH LAYER.
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NUMERICAL SOLUTIONS TO ELECTROMAGNETIC SCATTERING FROM STRIPS, FINITE WEDGES, AND NOTCHED CIRCULAR CYLINDERS.
AD-647 104 20N U67 08

ELECTROMAGNETIC WAVES, MICROWAVES
COMPARISON OF MICROPULSATION AND INFRASONIC WAVE RECORDS AND DISCUSSION OF A JOULE HEAT SOURCE FOR INFRASONIC WAVES.
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INDUSTRIAL HYGIENE PROBLEMS OF WORKING WITH ULTRA SHORT-WAVE TRANSMITTERS USED IN TELEVISION AND RADIO BROADCASTING.
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SCATTERING OF ELECTROMAGNETIC WAVES BY A SEMI-INFINITE METAL PLATE IN ANISOTROPIC PLASMA.
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ELECTROMAGNETS, SPECTROMETERS
LENINGRAD INSTITUTE OF ELECTRICAL ENGINEERING NEWS, NO. 52, 1964 SELECTED ARTICLES.
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TEST OF A CRACKED COMPRESSOR BLADE REPAIRED BY ELECTRON BEAM WELDING.
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USE OF HELLMANN-FEYNMAN AND HYPERVIRIAL THEOREMS TO OBTAIN ANHARMONIC VIBRATION-ROTATION EXPECTATION VALUES AND THEIR APPLICATION TO GAS DIFFRACTION.
AD-647 238 7D U67 08

ELECTRON BEAMS, INTENSITY
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MUTUAL REFRACTION OF ELECTRONS AND PHOTONS.
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OXIDE-CATHODE DURABILITY IN MERCURY ELECTRON-BOMBARDMENT ION THRUSTOR.
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NOMOGRAM FOR SAHA S EQUATION.
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LEAST-SQUARES REFINEMENT OF MOLECULAR STRUCTURES FROM GASEOUS ELECTRON-DIFFRACTION SECTOR MICROPHOTOMETER DATA. III. REFINEMENT OF CYCLOPROPANE.
AD-647 027 7D U67 08

LEAST-SQUARES REFINEMENT OF MOLECULAR STRUCTURES FROM GASEOUS ELECTRON-DIFFRACTION SECTOR-MICROPHOTOMETER INTENSITY DATA. II. ADAPTATION TO AUTOMATIC COMPUTATION.
AD-647 028 7D U67 08

LEAST-SQUARES REFINEMENT OF MOLECULAR STRUCTURES FROM GASEOUS ELECTRON-DIFFRACTION SECTOR-MICROPHOTOMETER INTENSITY DATA. I. METHOD.
AD-647 029 7D U67 08

ELECTRON DIFFRACTION ANALYSIS, SILVER
SURFACE LATTICE DYNAMICS OF SILVER. I. LOW-ENERGY ELECTRON DEBYE-WALLER FACTOR.
AD-647 855 20C U67 08

ELECTRON DIFFRACTION ANALYSIS, STANDARDS
USE OF THIN SINGLE CRYSTALS AS REFERENCE STANDARDS FOR PRECISION ELECTRON DIFFRACTION.
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CERTAIN SEMICONDUCTOR APPLICATIONS OF THE SCANNING ELECTRON MICROSCOPE.
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SCANNING ELECTRON MICROSCOPY OF BIOLOGICAL MATERIAL.
AD-647 026 6C U67 08

ELECTRON MICROSCOPY, CRYOGENICS
A GONIOMETER STAGE FOR USE AT LIQUID HELIUM TEMPERATURES.
AD-647 509 14B U67 08

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THE SCATTERING OF ELECTRONS BY ATOMIC SYSTEMS WITH CONFIGURATIONS 2P0 AND 3P0.
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BIBLIOGRAPHY ON CLEAN ROOMS.
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STUDY OF FAILURE AND RELIABILITY IN MICROELECTRONIC DEVICES FIFTH QUARTERLY REPORT, SEP. - NOV. 1966.
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TEST PROCEDURES FOR FORCED AIR COOLED EQUIPMENT.
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INDUSTRIAL SURVEY OF ELECTRONIC PACKAGING.
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PHOTON-COUPLED ISOLATION SWITCH QUARTERLY REPORT, 1 JUL. - 30 SEP. 1966.
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MICROELECTRONICS EVALUATION. SERVO LOOP ELECTRONICS INTERIM REPORT.
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A PERFORMANCE-ORIENTED ELECTRONICS TECHNICIAN TRAINING PROGRAM. II. INITIAL FLEET FOLLOW-UP EVALUATION OF GRADUATES,
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LENINGRAD INSTITUTE OF ELECTRICAL ENGINEERING NEWS, NO. 52, 1964 SELECTED ARTICLES,
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THE DIELECTRIC CONSTANT OF BLOCH ELECTRONS IN CROSSED ELECTRIC AND MAGNETIC FIELDS,
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ELECTRONS, ENERGY
FINAL REPORT,
AD-647 882 7D U67 08 HC$ 3.00 MF$ 0.65

ELECTRONS, MAGNETIC FIELDS
CALCULATED MAGNETIC ELECTRON DRIFT VELOCITIES IN H2, N2, O2, AIR AND C2H6 FOR 10 OR E E/P OR E 10000 V/M/TORR,
AD-647 535 20I U67 08

ELECTRONS, NUCLEAR SCATTERING
HIGH-ENERGY ELECTRON SCATTERING AS A TEST OF THE NUCLEAR CLUSTER MODEL.
AD-647 684 20H U67 08

ELECTRONS, POLARIZATION
EXCHANGE COUPLING AND CONDUCTION-ELECTRON POLARIZATION IN METALS,
AD-647 496 20L U67 08

ELECTRONS, SCATTERING
VERIFICATION OF AN APPROXIMATE FORMULA FOR MULTIPLE SCATTERING OF SLOW ELECTRONS,
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A SUBSONIC D-REGION PROBE EXPERIMENT USING AN ULTRAVIOLET SOURCE TO PRODUCE IONS AND FREE ELECTRONS,
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JOURNAL OF APPLIED SPECTROSCOPY SELECTED ARTICLES,
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ISOTHERMAL IONIC MIGRATION IN MELTS,
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METHOD FOR DISPLAYING LINES OF FORCE IN AN ELECTROSTATIC FIELD,
AD-645 965 20C U67 08

ELECTROSTATICS, QUANTUM MECHANICS
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AD-647 347 20J U67 08

ELECTRIC- AND MAGNETIC-CHARGE RENORMALIZATION. II,
AD-647 489 20J U67 08

ELEMENTARY PARTICLES, GROUPS(MATHEMATICS)
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ELEMENTARY PARTICLES, INTERACTIONS
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REMOVAL OF POINT-LOOP AMBIGUITIES THROUGH FINITE-PART RENORMALIZATION.
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FERROMAGNETIC MATERIALS, NUCLEAR SPINS
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FERROMAGNETIC MATERIALS, PHOTOELECTRIC EFFECT
PHOTOEMISSION INVESTIGATION OF THE BAND STRUCTURE OF FERROMAGNETIC NI-AL ALLOYS.
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FIELD EMISSION FROM CADMIUM SULPHIDE.
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FIELD THEORY, NUCLEAR SPINS
DIVERGENCE OF RENORMALIZED VS CONVERGENCE OF REGULARIZED PERTURBATIVE EXPANSIONS IN A FIELD-THEORETICAL MODEL.
AD-647 427 20J U67 08

FIELD THEORY, PERTURBATION THEORY
WAVE-PACKET DERIVATION OF FIELD-THEORETIC SCATTERING AMPLITUDE.
AD-647 079 20J U67 08

FIELD THEORY, PHONONS
N DEGENERATE MODES.
AD-647 118 20B U67 08

FIELD THEORY, PROTON REACTIONS
THE DISTORTED WAVE T-MATRIX APPROXIMATION FOR THE (P,2P) REACTION.
AD-647 631 20H U67 08

FIELD THEORY, QUANTUM STATISTICS
ON THE QUANTUM STATISTICS OF MODE MIXING IN NONLINEAR MEDIA.
AD-647 411 20J U67 08

FIELD THEORY, S-MATRIX
CAUSALITY IN S-MATRIX THEORY.
AD-647 784 20J U67 08

FIGHTER AIRCRAFT
ROLLING STABILITY DERIVATIVES OF A VARIABLE- SWEEP TACTICAL FIGHTER MODEL AT SUBSONIC AND TRANSONIC SPEEDS.
N67-19150 20D S05 07 HC$ 3.00 MF$ 0.65

FILM BOILING, LIQUIDS
THE LEIDENFROST PHENOMENON FILM BOILING OF LIQUID DROPLETS ON A FLAT PLATE.
AD-647 593 7D U67 08

FILM COOLING
GASEOUS-FILM COOLING OF A ROCKET MOTOR WITH INJECTION NEAR THE THROAT.
N67-17505 21H S05 07 HC$ 3.00 MF$ 0.65

FILMS, CAPACITORS
HIGH PERFORMANCE THIN FILMS FOR MICROCIRCUITS.
AD-647 891 9A U67 08 HC$ 3.00 MF$ 0.65

FILMS, INTEGRATED CIRCUITS
THIN FILM RC NETWORKS FOR SILICON INTEGRATED CIRCUITS.
AD-647 385 9E U67 08 HC$ 3.00 MF$ 0.65

FILMS, MAGNETIC PROPERTIES
REMAGNETIZATION OF FERROMAGNETIC MULTIPLE FILMS AT LIQUID HELIUM TEMPERATURES.
AD-647 378 20C U67 08

FILMS, METALS
FORTRAN II COMPUTER PROGRAM FOR ANALYSIS OF ELLIPSOMETRIC DATA.
RFP-739 9B N21 05 HC$ 3.00 MF$ 0.65

FILMS, NUCLEATION
DIE HETEROGENE KEIMBILDUNG UND IHR EINFLUSS AUF DIE STRUKTUR DUNNER SCHICHTEN (HETEROGENEOUS NUCLEATION AND ITS INFLUENCE ON THE STRUCTURE OF THIN FILMS).
AD-647 874 7D U67 08

FILMS, SOLID STATE PHYSICS
PHYSICAL EVALUATION OF THIN FILMS OF SOLID STATE MATERIALS.
AD-647 680 20L U67 08 HC$ 3.00 MF$ 0.65

FILTERS(ELECTROMAGNETIC WAVE), COUPLING CIRCUITS
THE EFFECT OF SPURIOUS COUPLINGS IN RESONANT-CIRCUIT WAVE FILTERS.
AD-647 806 9E U67 08 HC$ 3.00 MF$ 0.65

FIRE EXTINGUISHERS, POWDERS
THE PERMEABILITY AND ELUTRIATION METHODS FOR DETERMINING THE SPECIFIC SURFACE OF DRY CHEMICAL FIRE-EXTINGUISHING POWDERS.
AD-647 151 13L U67 08 HC$ 3.00 MF$ 0.65

FIRE RESISTANT TEXTILES, AIRCRAFT SEATS
DEVELOPMENT OF AN AIRCRAFT UPHOLSTERY FABRIC IN A STANDARD CONSTRUCTION (FIRE AND FLAME RESISTANT).
AD-647 826 11E U67 08 HC$ 3.00 MF$ 0.65

FISHES, ALASKA
RESEARCH ON PINK SALMON AT LITTLE PORT WALTER, ALASKA, 1934-64.
PR-174 127 6C U67 08 HC$ 3.00 MF$ 0.65

FISSION PRODUCTS, KINETIC ENERGY
VARIATION WITH NEUTRON ENERGY OF THE YIELD OF HIGH KINETIC ENERGY FRAGMENTS FROM 233 U, 235 U, AND 239 PU.
IN-1033 20H N21 05 HC$ 3.00 MF$ 0.65

FISSION PRODUCTS, REACTOR ACCIDENTS
THE ADEQUACY OF SCALE-UP IN EXPERIMENTS ON FISSION PRODUCT BEHAVIOR IN REACTOR ACCIDENTS. PART II. RECOMMENDED ADDITIONAL NUCLEAR SAFETY SCALE-UP EXPERIMENTS.
ORNL-4021 18I N21 05 HC$ 3.00 MF$ 0.65

FISSION PRODUCTS, XENON
XENON YIELDS IN THE FISSION OF HEAVY ELEMENTS BY MEDIUM-ENERGY PROTONS.
AD-647 342 7E U67 08

FLARED BODY
DEVELOPMENT OF ULTRASONIC WRENCH FOR FLARED TUBING CONNECTIONS, VOLUME 1 INTERIM REPORT.
N67-17638 13I S05 07 HC$ 3.00 MF$ 0.65

FLASH
CORTICAL CONTROL OF EYE MOVEMENTS.
N67-18089 6P S05 07 HC$ 3.00 MF$ 0.65

FLAT PLATE
STRESS INTENSITY FACTORS FOR CRACKLINE-LOADED EDGE-CRACK SPECIMENS.
N67-17172 20K S05 07 HC$ 3.00 MF$ 0.65

FLAT PLATE MODELS, INCOMPRESSIBLE FLOW
OSEEN FLOW PAST A FINITE FLAT PLATE.
AD-647 235 20D U67 08

FLAW DETECTION
STRESS-WAVE DETECTION SATURN S-II FINAL REPORT, 17 JAN. - 30 NOV. 1966.
N67-17519 22D S05 07 HC$ 3.00 MF$ 0.65

DEMONSTRATION OF ACOUSTIC SPECTROMETER FOR MEASURING STRESS AND LOCATING FLAWS IN MATERIALS FINAL FORMAL PROGRESS REPORT.
N67-18134 20F S05 07 HC$ 3.00 MF$ 0.65

FLIGHT INSTRUMENTS, MAN-MACHINE SYSTEMS
EXPERIMENTAL DESIGN FOR IHAS AVIONIC SYSTEM SIMULATION.
AD-647 166 1D U67 08 HC$ 3.00 MF$ 0.65

FLIGHT PATHS, GUIDED MISSILES
DETERMINING PARAMETER CORRECTIONS ACCORDING TO SYSTEM PERFORMANCE-A METHOD AND ITS APPLICATION TO REAL-TIME MISSILE TESTING.
AD-485 001 16R U67 08 HC$ 3.00 MF$ 0.65

FLIGHT RECORDER
ADDRESSABLE TIME DIVISION DATA SYSTEMS FLYABLE PROTOTYPE EQUIPMENT FINAL REPORT.
N67-18102 9F S05 07 HC$ 3.00 MF$ 0.65

FLIGHT SIMULATORS, ANALOG SYSTEMS
CONTACT ANALOG SIMULATOR EVALUATION INVESTIGATIONS OF DIRECTOR SYMBOLS, DISPLAY ALTERATION, AND THE PRESENTATION OF SECONDARY FLIGHT INFORMATION.
AD-647 201 1D U67 08 HC$ 3.00 MF$ 0.65

FLIGHT SIMULATORS, EXPERIMENTAL DESIGN
EXPERIMENTAL DESIGN FOR IHAS AVIONIC SYSTEM SIMULATION.
AD-647 166 1D U67 08 HC$ 3.00 MF$ 0.65

FLIGHT STABILITY TEST
TECHNIQUE FOR VERIFYING STRUCTURAL INTEGRITY OF FULL-SCALE SEGMENTS OF LAUNCH VEHICLES AT TRANSONIC SPEEDS.
N67-17821 22D S05 07 HC$ 3.00 MF$ 0.65

FLIGHT TEST
FLIGHT DEMONSTRATION OF A SKIN-FRICTION GAGE TO A LOCAL MACH NUMBER OF 4.9.
N67-17173 1A S05 07 HC$ 3.00 MF$ 0.65

STUDY AND FLIGHT TESTS OF A MACH 5 EXPERIMENTAL RAMJET.
N67-17399 16D S05 07 HC$ 3.00 MF$ 0.65

FLOW CHARTING, TRAINING
TRAINING IN COMPUTER FLOW CHARTING USING PROGRAMMED INSTRUCTION ELIMINATING THE EFFECTS OF MATHEMATICS APTITUDE UPON ACHIEVEMENT.
AD-647 667 5I U67 08 HC$ 3.00 MF$ 0.65

FLOW FIELD

FURTHER EXPERIMENTAL INVESTIGATIONS OF DELTA AND DOUBLE-DELTA WING FLOW FIELDS AT LOW SPEEDS.
N67-18158 20D S05 07 HC$ 3.00 MF$ 0.65

FLOW METER
AN APPLICATION OF THE ELECTROMAGNETIC FLOWMETER FOR ANALYZING DYNAMIC FLOW OSCILLATIONS.
N67-17833 14B S05 07 HC$ 3.00 MF$ 0.65

FLOW SEPARATION
SIMPLE THEORETICAL AND EXPERIMENTAL STUDIES OF THE FLOW THROUGH A THREE-SHOCK SYSTEM IN A CORNER.
N67-15776 20D S05 07 HC$ 3.00 MF$ 0.65

FLOW SEPARATION, LAMINAR FLOW
LAMINAR SEPARATION IN SUPERSONIC AND HYPERSONIC FLOWS.
AD-647 819 20D U67 08 HC$ 3.00 MF$ 0.65

FLOW STABILITY
OSCILLATIONS IN TWO-COMPONENT TWO-PHASE FLOW FINAL REPORT, VOLUME I.
N67-17838 20D S05 07 HC$ 3.00 MF$ 0.65

FLOW OSCILLATIONS IN FORCED CONVECTION BOILING FINAL REPORT, VOLUME II.
N67-17839 20D S05 07 HC$ 3.00 MF$ 0.65

FLOWMETERS, GAS FLOW
LOW DENSITY HIGH TEMPERATURE GAS DYNAMICS.
AD-647 391 20D U67 08 HC$ 3.00 MF$ 0.65

FLUCTUATION THEORY (STAT MECH)
A NEW LOOK AT THE BROWN- TWISS INTERFEROMETER.
N67-17634 3A S05 07 HC$ 3.00 MF$ 0.65

FLUID FLOW, CURVED PROFILES
ACADEMY OF SCIENCES OF THE USSR. NEWS. MECHANICS AND MACHINE BUILDING, NO. 3, 1964 SELECTED ARTICLES.
AD-647 741 20D U67 08 HC$ 3.00 MF$ 0.65

FLUID FLOW, POLYMERS
OSCILLATORY FLOW BIREFRINGENCE OF POLYMER MOLECULES IN DILUTE SOLUTIONS.
AD-647 874 20D U67 08

FLUID MECHANICS, AIR FORCE RESEARCH
A BRIEF SYNOPSIS OF IN-HOUSE RESEARCH.
AD-647 765 5A U67 08 HC$ 3.00 MF$ 0.65

FLUIDIZED BED PROCESSES, FLUORIDES
LABORATORY INVESTIGATIONS IN SUPPORT OF FLUID-BED FLUORIDE VOLATILITY PROCESSES. PART XIII. CONDENSED-PHASE EQUILIBRIA IN THE SYSTEM MOLYBDENUM HEXAFLUORIDE-URANIUM HEXAFLUORIDE.
ANL-7240 7D N21 05 HC$ 3.00 MF$ 0.65

FLUIDIZED BED PROCESSES, THORIUM
FLUID-BED DENITRATION OF THORIUM NITRATE.
MCW-1311 7A N21 05 HC$ 3.00 MF$ 0.65

FLUORESCENCE, QUENCHING(INHIBITION)
SOLVENT-SOLVENT ENERGY MIGRATION IN LIQUID SCINTILLATORS. PART I.
AD-647 778 7F U67 08

FLUORESCENT ANTIBODY TECHNIQUES, GLOBULINS
NUCLEAR FLUORESCENCE EMPLOYING ANTINUCLEOSIDE IMMUNOGLOBULINS.
AD-647 114 6E U67 08

FLUORIDES, CHEMICAL REACTIONS
SOME REACTIONS OF TRIPHENYLMETHYL COMPOUNDS WITH BORON FLUORIDE.
AD-645 946 7C U67 08

FLUORIDES, CRYSTAL LATTICE DEFECTS
NUCLEAR MAGNETIC RESONANCE STUDIES OF POINT DEFECTS IN BAF2 CRYSTALS.
AD-647 703 20L U67 08

FLUORIDES, NITRIC ACID
DIRECT ESTIMATION OF FREE FLUORIDE ION IN TWENTY PERCENT NITRIC ACID ETCHING SOLUTIONS.
Y-1565 7B N21 05 HC$ 3.00 MF$ 0.65

FLUORINE
FLUORINE TOXICITY STUDIES AT THE UNIVERSITY OF MIAMI SEMIANNUAL PROGRESS REPORT.
N67-17741 6F S05 07 HC$ 3.00 MF$ 0.65

FLUORINE, SYNTHESIS
FLUORINE FREE RADICAL CHEMISTRY.
AD-647 471 7D U67 08 HC$ 3.00 MF$ 0.65

FLUORINE, URANIUM COMPOUNDS
IMPORTANT ROLE OF ELEMENTAL FLUORINE IN URANIUM PROCESSING OPERATIONS.
K-1519 18A N21 05 HC$ 3.00 MF$ 0.65

FLUTTER, SUPERSONIC FLOW
AN EXPERIMENTAL STUDY ON THE AEROELASTIC STABILITY OF THIN CYLINDRICAL SHELLS AT THE LOWER SUPERSONIC MACH NUMBERS.
AD-647 748 20D U67 08 HC$ 3.00 MF$ 0.65

FOG, NUCLEATION
HOMOGENEOUS NUCLEATION AND GROWTH OF DROPLETS IN VAPOURS.
AD-647 852 7D U67 08

FOILS, PREPARATION
PREPARATION OF THIN FOILS FOR ELECTRON MICROSCOPY BY A ROTATING POLYTETRAFLUOROETHYLENE HOLDER.
AD-647 133 20F U67 08 HC$ 3.00 MF$ 0.65

FORCED CONVECTION
HEAT-TRANSFER ANALYSIS FOR LIQUID-METAL FLOW IN RECTANGULAR CHANNELS WITH HEAT SOURCES IN THE FLUID.
N67-17627 20M S05 07 HC$ 3.00 MF$ 0.65

FLOW OSCILLATIONS IN FORCED CONVECTION BOILING FINAL REPORT, VOLUME II.
N67-17839 20D S05 07 HC$ 3.00 MF$ 0.65

HEAT TRANSFER TO CRYOGENIC HYDROGEN FLOWING TURBULENTLY IN STRAIGHT AND CURVED TUBES AT HIGH HEAT FLUXES.
N67-18156 20M S05 07 HC$ 3.00 MF$ 0.65

FOREIGN AID, BRAZIL
ENGINEERING IN REGIONAL DEVELOPMENT A STUDY OF THE ROLE OF THE ENGINEER IN THE DEVELOPMENT OF THE BRAZILIAN NORTHEAST.
AD-647 434 5D U67 08 HC$ 3.00 MF$ 0.65

FOREIGN AID, LATIN AMERICA
AN ANNOTATED BIBLIOGRAPHY ON MILITARY CIVIC ACTION.
AD-647 228 5D U67 08 HC$ 3.00 MF$ 0.65

FOREIGN POLICY, BIBLIOGRAPHIES
AN ANNOTATED BIBLIOGRAPHY ON MILITARY CIVIC ACTION.
AD-647 228 5D U67 08 HC$ 3.00 MF$ 0.65

FOREIGN POLICY, TAIWAN
RECENT DEVELOPMENTS ON TAIWAN.
AD-647 767 5D U67 08 HC$ 3.00 MF$ 0.65

FOREST FIRES, INFRARED DETECTORS
THE EVALUATION OF AN AIRBORNE INFRARED MAPPER AS A TOOL FOR DETECTING AND MEASURING FIRES.
AD-647 136 13L U67 08 HC$ 3.00 MF$ 0.65

FORTRAN
PRESTO II - A DIGITAL COMPUTER PROGRAM FOR TRAJECTORY OPTIMIZATION.
N67-17177 22C S05 07 HC$ 3.00 MF$ 0.65

A COMPUTER ROUTINE FOR RELAY I TRAPPED PROTON DISTRIBUTIONS.
N67-18040 9B S05 07 HC$ 3.00 MF$ 0.65

FOUNDATIONS(STRUCTURES), CONSTRUCTION
THE DRIVING OF PILES BY LONGITUDINAL VIBRATIONS.
AD-647 469 13M U67 08 HC$ 3.00 MF$ 0.65

FOURIER ANALYSIS, CRYSTAL STRUCTURE
CRYSTALLOGRAPHIC PROGRAMS FOR THE IBM 1620. PART I. STRUCTURE FACTOR-DIFFERENTIAL FOURIER SYNTHESIS PROGRAMS FOR MINERAL STRUCTURES.
PB-174 176 20B U67 08 HC$ 3.00 MF$ 0.65

FOURIER ANALYSIS, GEOPHYSICS
SPECTRAL ANALYSIS FOR GEOPHYSICAL DATA.
AD-647 346 12A U67 08

FOURIER ANALYSIS, TIME SERIES ANALYSIS
FASTER FOURIER ANALYSIS.
AD-647 333 12A U67 08

FRACTURE
INVESTIGATION OF THE SOLIDIFICATION, STRUCTURE AND PROPERTIES OF EUTECTIC ALLOYS INCLUDING CONSIDERATION OF PROPERTIES CONTROL SEMIANNUAL PROGRESS REPORT.
N67-17965 11F S05 07 HC$ 3.00 MF$ 0.65

FRACTURE TOUGHNESS
TEXTURE STRENGTHENING AND FRACTURE TOUGHNESS OF 4 AL-0.2 O AND 5 AL-2.5 SN ELI TITANIUM SHEET BIAXIAL STRESS FIELDS AT ROOM AND CRYOGENIC TEMPERATURES.
N67-17832 11F S05 07 HC$ 3.00 MF$ 0.65

FRACTURES(BONE), SURGICAL TECHNIQUES
METHOD OF FIXATION OF LOWER JAW FRAGMENTS WITH POLYAMID SUTURES.
AD-647 944 6E U67 08 HC$ 3.00 MF$ 0.65

FRACTURE(MECHANICS), CRACKS
STATIONARY CRACK AND CONTINUOUS DISTRIBUTIONS OF DISLOCATIONS.
AD-647 989 20K U67 08

FRAGMENTATION, EXPLOSIVE MATERIALS
GROWTH OF BURNING TO DETONATION IN LIQUIDS AND SOLIDS.
AD-647 392 19D U67 08 HC$ 3.00 MF$ 0.65

FRANCE
LAUNCHING PROGRAM AT ADELIE LAND, DECEMBER 1966 TO FEBRUARY 1967.
N67-17394 22D S05 07 HC$ 3.00 MF$ 0.65

FREE FALL MODELS, ELECTRIC FIELDS
GRAVITATION-INDUCED ELECTRIC FIELD NEAR A METAL.
AD-647 757 20C U67 08

FREE RADICALS, CHEMICAL REACTIONS
FLUORINE FREE RADICAL CHEMISTRY.
AD-647 471 7D U67 08 HC$ 3.00 MF$ 0.65

FREON
FLOW OSCILLATIONS IN FORCED CONVECTION BOILING FINAL REPORT, VOLUME II.
N67-17839 20D S05 07 HC$ 3.00 MF$ 0.65

FREQUENCY CONVERTER
POWER SUPPLIES USING HIGH FREQUENCY MODULES FINAL REPORT, JUN. 1965 - JAN. 1967.
N67-17834 10B S05 07 HC$ 3.00 MF$ 0.65

FREQUENCY MODULATION
F M MODULATION OF A CW LASER BEAM.
N67-17358 20E S05 07 HC$ 3.00 MF$ 0.65

FREQUENCY RANGE
BOILING WATER REACTOR STABILITY STUDIES QUARTERLY REPORT, 1 JAN. - 31 MAR. 1966.
N67-17694 18I S05 07 HC$ 3.00 MF$ 0.65

FREQUENCY SYNTHESIZERS, LABORATORY EQUIPMENT
POWER SYSTEM SYNTHESIZER.
AD-647 743 10B U67 08 HC$ 3.00 MF$ 0.65

FRESNEL REFLECTOR
MODIFICATIONS TO THE THEORY OF THE DIFFERENTIAL ABSORPTION EXPERIMENT.
N67-17768 4A S05 07 HC$ 3.00 MF$ 0.65

FUEL CELLS, CATALYSIS
INVESTIGATION OF MECHANISMS FOR ELECTROCHEMICAL CATALYSIS.
AD-647 788 10B U67 08 HC$ 3.00 MF$ 0.65

FUEL CELLS, CATALYSTS
FUEL CELL CATALYSTS.
AD-479 532 10B U67 08 HC$ 3.00 MF$ 0.65

FUEL CELLS, ELECTROCHEMISTRY
HYDROCARBON - AIR FUEL CELLS.
AD-479 005 10B U67 08 HC$ 3.00 MF$ 0.65

FUEL CELLS, OXYGEN
EFFECTS OF PH ON THE ELECTROSORPTION OF OXYGEN ON FUEL CELL ELECTRODES.
AD-647 691 10B U67 08 HC$ 3.00 MF$ 0.65

FUEL CONTRO_
ENVIRONMENTAL HAZARDS STUDY.
N67-17631 13L S05 07 HC$ 3.00 MF$ 0.65

FUEL INJECTION
NOZZLE PERFORMANCE EVALUATION PROGRAM FINAL REPORT.
N67-17856 21M S05 07 HC$ 3.00 MF$ 0.65

FUEL PUMP
COLD-AIR PERFORMANCE EVALUATION OF A SCALE- MODEL FUEL PUMP TURBINE FOR THE M-1 HYDROGEN-OXYGEN ROCKET ENGINE.
N67-17503 21M S05 07 HC$ 3.00 MF$ 0.65

FUEL VALVE
MANUFACTURING AND TEST PROCEDURES FOR AEROBEE 350 BURST DIAPHRAGMS.
N67-17635 21M S05 07 HC$ 3.00 MF$ 0.65

FUELS, STORAGE
STORAGE STABILITY OF HIGH TEMPERATURE FUELS.
AD-647 787 21D U67 08 HC$ 3.00 MF$ 0.65

FUNCTIONAL ANALYSIS
A CLASS OF FUNCTIONAL EQUATIONS OF NEUTRAL TYPE.
N67-17986 12A S05 07 HC$ 3.00 MF$ 0.65

FUNCTIONAL ANALYSIS, APPROXIMATION(MATHEMATICS)
METRIC ENTROPY AND APPROXIMATION,
AD-647 676 12A U67 08

FUNCTIONAL ANALYSIS, MERCHANT VESSELS
SHIPBOARD SYSTEMS COSTS. A FUNCTIONAL ANALYSIS OF WORK ABOARD SHIP. USNS BLUE JACKET, AN M. S. T. S. REFRIGERATED SHIP. USNS COMET, AN M. S. T. S. ROLL-ON, ROLL-OFF SHIP.
AD-647 243 13J U67 08 HC$ 3.00 MF$ 0.65

FUNCTIONS, COMPLEX VARIABLES
EXTREMAL PROBLEMS IN THE CLASS OF CLOSE-TO-CONVEX FUNCTIONS.
AD-647 454 12A U67 08

FUNCTIONS, GROUPS(MATHEMATICS)
DECOMPOSITIONS OF GROUP FUNCTIONS WITH APPLICATIONS TO TWO-RAIL CASCADES.
AD-647 086 9A U67 08 HC$ 3.00 MF$ 0.65

FUNCTIONS, SET THEORY
ORDER-PRESERVING FUNCTIONS APPLICATIONS TO MAJORIZATION AND ORDER STATISTICS,
AD-647 169 12A U67 08 HC$ 3.00 MF$ 0.65

FURAN
GAS CHROMATOGRAPH-QUADRUPOLE MASS SPECTROMETRIC ANALYSIS OF ORGANIC COMPOUNDS.
N67-18099 7D S05 07 HC$ 3.00 MF$ 0.65

FURNACE
INVESTIGATION OF THE KINETICS OF CRYSTALLIZATION OF MOLTEN BINARY AND TERNARY OXIDE SYSTEMS QUARTERLY STATUS REPORT NO. 5, SEP. 1 - NOV. 30, 1966.
N67-18089 11B S05 07 HC$ 3.00 MF$ 0.65

GADOLINIUM, BAND THEORY OF SOLIDS
EXCHANGE COUPLING AND CONDUCTION-ELECTRON POLARIZATION IN METALS,
AD-647 696 20L U67 08

GALAXIES, SYMPOSIA
QUASI-STELLAR SOURCES AND GRAVITATIONAL COLLAPSE,
AD-647 241 3B U67 08

GALLIUM ALLOYS, ANTIMONY ALLOYS
IX-3. LOW TEMPERATURE TRANSPORT EFFECTS IN N-TYPE GASB AT HIGH MAGNETIC FIELDS,
AD-647 481 20L U67 08

OSCILLATORY MAGNETOSTRICTION IN N-GALLIUM ANTIMONIDE,
AD-647 498 20L U67 08

GALLIUM ARSENIDE
THIN FILM GA AS PHOTOVOLTAIC SOLAR ENERGY CELLS.
N67-16723 10A S05 07 HC$ 3.00 MF$ 0.65

GALLIUM ARSENIDES, ABSORPTION SPECTRUM
LOCAL MODE ABSORPTION IN COMPENSATED SILICON-DOPED GALLIUM ARSENIDE,
AD-647 449 20L U67 08

GALLIUM ARSENIDES, LUMINESCENCE
SURFACE RECOMBINATION VELOCITIES AND DIFFUSION LENGTHS IN GAAS,
AD-647 455 20L U67 08

GALLIUM ARSENIDES, SINGLE CRYSTALS
A QUARTZ AMPOULE FOR GROWING SINGLE CRYSTALS,
AD-647 725 20L U67 08 HC$ 3.00 MF$ 0.65

GALLIUM PHOSPHIDE
FUNDAMENTAL STUDIES OF THE METALLURGICAL, ELECTRICAL, AND OPTICAL PROPERTIES OF GALLIUM PHOSPHIDE QUARTERLY PROGRESS REPORT, 30 SEP. - 30 DEC. 1966.
N67-18120 20L S05 07 HC$ 3.00 MF$ 0.65

GALLIUM, ATOMIC ORBITALS
RADIO-FREQUENCY SIZE-EFFECT LINE SHAPE FOR GALLIUM,
AD-647 859 20H U67 08

GALLIUM, DISLOCATIONS
THE FORMULATION OF DISLOCATION NETWORKS IN GALLIUM SINGLE CRYSTALS.
AD-647 739 20B U67 08 HC$ 3.00 MF$ 0.65

GAME THEORY, BEHAVIOR
APPLICATIONS OF THE THEORY OF GAMES IN THE BEHAVIORAL SCIENCES.
AD-647 203 5J U67 08 HC$ 3.00 MF$ 0.65

GAME THEORY, CONVEX SETS
THE KERNEL AND BARGAINING SET FOR CONVEX GAMES.
AD-647 250 12A U67 08 HC$ 3.00 MF$ 0.65

GAME THEORY, ECONOMICS
A FURTHER COMPARISON OF SOME MODELS OF DUOPOLY,
AD-647 790 5C U67 08 HC$ 3.00 MF$ 0.65

GAMMA RAYS, SUPERNOVAE
FINAL SCIENTIFIC REPORT, 1 FEBRUARY 1965-31 JANUARY 1967,
AD-647 420 3B U67 08 HC$ 3.00 MF$ 0.65

GAMMA RAYS, TRANSPORT PROPERTIES
UNC-SAM-2 A FORTRAN MONTE CARLO PROGRAM TREATING TIME-DEPENDENT NEUTRON AND PHOTON TRANSPORT THROUGH MATTER.
AD-647 470 20H U67 08 HC$ 3.00 MF$ 0.65

GAMMA-RAY SPECTRA, LEAST SQUARES METHOD
LEAST SQUARES ANALYSIS OF TIME-DEPENDENT GAMMA-RAY PULSE HEIGHT SPECTRA,
AD-647 236 18B U67 08 HC$ 3.00 MF$ 0.65

GANTRY CRANE
OPERATIONAL FEATURES OF THE LANGLEY LUNAR LANDING RESEARCH FACILITY.
N67-18148 14B S05 07 HC$ 3.00 MF$ 0.65

GARNET, MAGNETIC PROPERTIES
LOW MAGNETIC SATURATION GARNETS,
AD-647 301 20L U67 08 HC$ 3.00 MF$ 0.65

GAS BEARING
PRELIMINARY EXPERIMENTAL EVALUATION OF A BRAYTON CYCLE TURBOCOMPRESSOR OPERATING ON GAS BEARINGS.
N67-17828 10B S05 07 HC$ 3.00 MF$ 0.65

GAS CHROMATOGRAPHY
FLUORINE TOXICITY STUDIES AT THE UNIVERSITY OF MIAMI SEMIANNUAL PROGRESS REPORT.
N67-17761 6F S05 07 HC$ 3.00 MF$ 0.65

GAS CHROMATOGRAPH-QUADRUPOLE MASS SPECTROMETRIC ANALYSIS OF ORGANIC COMPOUNDS.
N67-18099 7D S05 07 HC$ 3.00 MF$ 0.65

GAS CHROMATOGRAPHY, BUTANOLS
QUANTITATIVE DETERMINATION OF DIMETHYL SULFOXIDE IN BUTANOL BY GAS LIQUID CHROMATOGRAPHY,
AD-647 654 7D U67 08

GAS COOLING SYSTEM
GASEOUS-FILM COOLING OF A ROCKET MOTOR WITH INJECTION NEAR THE THROAT.
N67-17505 21M S05 07 HC$ 3.00 MF$ 0.65

GAS DISCHARGES, HELIUM
FORMATION OF EXCITED MOLECULAR STATES IN THE POSITIVE COLUMN OF A HELIUM DISCHARGE,
AD-647 863 7D U67 08

GAS DISCHARGES, MAGNETIC FIELDS
THE INFLUENCE OF A D.C. CROSSED MAGNETIC FIELD ON THE ELECTRICAL DISCHARGE CHARACTERISTICS OF GASES IN THE TOWNSEND REGION.
AD-647 185 20I U67 08 HC$ 3.00 MF$ 0.65

CALCULATED MAGNETIC ELECTRON DRIFT VELOCITIES IN H2, N2, O2, AIR AND C2H6 FOR 10 OR 3 E/P OR 3 10000 V/M/TORR,
AD-647 935 20I U67 08

GAS DISCHARGES, PLASMA MEDIUM

FORWARD AND BACKWARD-WAVE MOVING STRIATIONS IN THE CONSTRICTED DISCHARGE.
AD-647 327 20I U67 08

GAS EXPANSION
THE CENTERED ONE-DIMENSIONAL UNSTEADY EXPANSION OF A VIBRATIONALLY RELAXING NITROGEN-OXYGEN MIXTURE.
N67-17796 20D S05 67 MCS 3.00 MFS 0.65

CALCULATION OF THE CENTERED ONE-DIMENSIONAL UNSTEADY EXPANSION OF A REACTING GAS MIXTURE SUBJECT TO VIBRATIONAL AND CHEMICAL NONEQUILIBRIUM.
N67-17797 20D S05 67 MCS 3.00 MFS 0.65

SHOCK WAVE FROM A RELEASE OF GAS AT 230 KM ALTITUDE.
N67-17820 4A S05 67 MCS 3.00 MFS 0.65

GAS FLOW
SONIC LINE IN NONEQUILIBRIUM NOZZLE FLOWS.
N67-17852 20D S05 67 MCS 3.00 MFS 0.65

GAS IONIZATION, AURORAE
QUENCHING OF AURORAL HYDROGEN LINE EMISSION BY COLLISIONAL IONIZATION.
AD-647 511 4A U67 08

GAS LASER
INVESTIGATION OF LASER DYNAMICS, MODULATION AND CONTROL BY MEANS OF INTRA-CAVITY TIME VARYING PERTURBATION SEMIANNUAL STATUS REPORT NO. 2, 1 AUG. 1966 - 31 JAN. 1967.
N67-19019 20E S05 67 MCS 3.00 MFS 0.65

GAS LASERS, ATOMIC ENERGY LEVELS
RADIATIVE AND COLLISION-INDUCED RELAXATION OF ATOMIC STATES IN THE 2P(5)3P CONFIGURATION OF NEON.
AD-645 994 7D U67 08

GAS LASERS, OPTICAL PROPERTIES
TECHNICAL REPORT, 1 JANUARY 1966-31 DECEMBER 1966.
AD-647 364 20F U67 08 MCS 3.00 MFS 0.65

GAS LASERS, SCIENTIFIC SATELLITES
THE QUANTUM GENERATOR IN SPACE.
AD-647 738 22C U67 08 MCS 3.00 MFS 0.65

GAS LASERS, THEORY
RESEARCH INVESTIGATION OF LASER LINE PROFILES.
AD-647 614 20F U67 08 MCS 3.00 MFS 0.65

GAS MASER
COMMUNICATION SYSTEMS RESEARCH AT MSFC.
N67-16724 17B S05 67 MCS 3.00 MFS 0.65

GAS MIXTURE
STUDY OF EQUILIBRIUM AIR TOTAL RADIATION.
N67-16722 3B S05 67 MCS 3.00 MFS 0.65

ORIGIN OF ORGANIC MATTER IN EARLY SOLAR SYSTEM. I - HYDROCARBONS.
N67-17769 3B S05 67 MCS 3.00 MFS 0.65

THE CENTERED ONE-DIMENSIONAL UNSTEADY EXPANSION OF A VIBRATIONALLY RELAXING NITROGEN-OXYGEN MIXTURE.
N67-17796 20D S05 67 MCS 3.00 MFS 0.65

CALCULATION OF THE CENTERED ONE-DIMENSIONAL UNSTEADY EXPANSION OF A REACTING GAS MIXTURE SUBJECT TO VIBRATIONAL AND CHEMICAL NONEQUILIBRIUM.
N67-17797 20D S05 67 MCS 3.00 MFS 0.65

GAS PHASE
THERMODYNAMICS OF THE CHLORINE HYDROGEN SILICON SYSTEM.
N67-17231 7D S05 67 MCS 3.00 MFS 0.65

GAS TURBINES, CORROSION
FORMATION OF ALKALI IRON SULFATES AND OTHER COMPOUNDS CAUSING CORROSION IN BOILERS AND GAS TURBINES.
AD-647 777 11F U67 08 MCS 3.00 MFS 0.65

GASEOUS DIFFUSION
BINARY DIFFUSION IN AN EXPONENTIAL MEDIUM.
N67-17876 20B S05 67 MCS 3.00 MFS 0.65

GASES, ISOTOPE SEPARATION
ISOTOPIC AND CHEMICAL COMPOSITION OF SOME TERRESTRIAL NATURAL GASES.
PB-174 203 18B U67 08 MCS 3.00 MFS 0.65

GASES, MIXTURES
THERMAL DIFFUSION COLUMN SHAPE FACTORS. PART II. SHAPE FACTORS BASED ON THE LENNARD-JONES (6-12) INTERMOLECULAR FORCE MODEL.
K-1679 18B N21 65 MCS 3.00 MFS 0.65

CALCULATION OF THE THERMODYNAMIC PROPERTIES OF A NITROGEN-OXYGEN-ARGON GAS MIXTURE.
SC-RR-66-394 20H N21 65 MCS 3.00 MFS 0.65

GASES, THERMODYNAMICS
THERMODYNAMIC PROPERTIES OF COMPRESSED GASES.
AD-647 893 20H U67 08 MCS 3.00 MFS 0.65

GASTROPODA, PARASITES
LARVAE OF ANGIOSTRONGYLUS CANTONENSIS IN SNAILS OF THE PHILIPPINES.
AD-647 307 6C U67 08 MCS 3.00 MFS 0.65

GAS-COOLED REACTORS, INSTRUMENTATION
QUARTERLY STATUS REPORT ON ADVANCED REACTOR TECHNOLOGY (ART) FOR PERIOD ENDING OCTOBER 31, 1966.
LA-3625-MS 18I N21 65 MCS 3.00 MFS 0.65

GAUGE
FLIGHT DEMONSTRATION OF A SKIN-FRICTION GAGE TO A LOCAL MACH NUMBER OF 4.9.
N67-17173 1A S05 67 MCS 3.00 MFS 0.65

GEARS, LUBRICATION
LUBRICATION OF HEAVILY LOADED, LOW VELOCITY BEARINGS AND GEARS OPERATING IN AEROSPACE ENVIRONMENTAL FACILITIES.
AD-456 355 11H U67 08 MCS 3.00

GENERATORS, THERMOELECTRICITY
BONDING EVALUATION STUDY OF MPD THERMOELECTRIC PROGRAM OPTIMUM-LENGTH INVESTIGATION.
AD-647 812 10B U67 08 MCS 3.00 MFS 0.65

GEOCHEMISTRY, PLANKTON
THE GEOCHEMISTRY OF ESTUARINE PLANKTON.
PB-174 187 8A U67 08 MCS 3.00 MFS 0.65

GEOCHEMISTRY, SEDIMENTARY ROCK
PETROLOGY AND GEOCHEMISTRY OF THE LATE PRECAMBRIAN ROCKS OF THE NORTHEASTERN GREAT BASIN.
PB-174 146 8G U67 08 MCS 3.00 MFS 0.65

GEODESICS, SATELLITE TRACKING SYSTEMS
RESULTS OF VARYING INVESTIGATIONS INTO APPROACHES TO GEODETIC PARAMETER ESTIMATION.
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GEOLOGIC AGE DETERMINATION, ARCHAEOLOGY
GEOCHRONOLOGY OF LATE QUATERNARY ALLUVIUM.
PB-174 210 8G U67 08 MCS 3.00 MFS 0.65

GEOLOGIC AGE DETERMINATION, HUMANS
CARBON-14 DATES AND EARLY MAN IN THE NEW WORLD.
PB-174 115 8G U67 08 MCS 3.00 MFS 0.65

GEOLOGY, GLACIERS
GLACIAL GEOLOGY OF MUIR INLET, SOUTHEAST ALASKA.
PB-174 173 8G U67 08 MCS 3.00 MFS 0.65

GEOLOGY, GRAVITY
GEOLOGICAL INTERPRETATION OF GRAVITY ANOMALIES.
AD-647 399 8G U67 08 MCS 3.00 MFS 0.65

GEOMAGNETIC ANOMALY
A THEORETICAL MODEL FOR THE MAGNETIC DECLINATION EFFECT IN THE IONOSPHERIC F REGION.
N67-17776 3A S05 67 MCS 3.00 MFS 0.65

GEOMAGNETICALLY TRAPPED PARTICLE
SIMULTANEOUS TRAPPED ELECTRON AND MAGNETIC TAIL FIELD OBSERVATIONS.
N67-17875 4A S05 67 MCS 3.00 MFS 0.65

GEOPHYSICAL PROSPECTING, GRAVITY
GEOLOGICAL INTERPRETATION OF GRAVITY ANOMALIES.
AD-647 399 8G U67 08 MCS 3.00 MFS 0.65

GEOPHYSICS
RESEARCH REPORTS, JULY 1, 1964 - JUNE 30, 1965.
N67-17980 3B S05 67 MCS 3.00 MFS 0.65

GEOPHYSICS, DATA
SCALE CHANGING AND SPECTRAL ANALYSIS OF ANALOG CHART RECORDS.
PB-174 176 8N U67 08 MCS 3.00 MFS 0.65

GEOPHYSICS, FOURIER ANALYSIS
SPECTRAL ANALYSIS FOR GEOPHYSICAL DATA.
AD-647 346 12A U67 08

GERMANIUM ALLOY
THERMOELECTRIC POWER IN SILVER-GOLD AND SILVER-GERMANIUM ALLOYS.
N67-17826 20L S05 67 MCS 3.00 MFS 0.65

GERMANIUM, BAND THEORY OF SOLIDS
A PIEZO-SPECTROSCOPIC DETERMINATION OF THE SYMMETRIES OF ACCEPTOR STATES IN SILICON AND GERMANIUM.
AD-647 484 20L U67 08

GERMANIUM, EPITAXIAL GROWTH
EPITAXIAL GROWTH OF SILICON AND GERMANIUM.
AD-647 477 20L U67 08

GERMANIUM, OPTICAL PROPERTIES
PSEUDO-BREWSTER ANGLE TECHNIQUE FOR DETERMINING OPTICAL CONSTANTS.
AD-647 858 20F U67 08 MCS 3.00 MFS 0.65

GERMINATION
STUDIES ON TRACE ELEMENTS IN THE SPORULATION OF BACTERIA AND THE GERMINATION OF BACTERIAL SPORES INFORMAL SEMIANNUAL REPORT, 1 JUN. - 31 DEC. 1966.
N67-18129 6H S05 67 MCS 3.00 MFS 0.65

GLACIERS, ALASKA
GLACIAL GEOLOGY OF MUIR INLET, SOUTHEAST ALASKA.
PB-174 173 8G U67 08 MCS 3.00 MFS 0.65

RELATIONSHIP OF DEAD-ICE FEATURES TO THE REGIMEN OF THE TERMINUS OF THE MARTIN RIVER GLACIER AND THE EFFECT OF THE DEBRIS-AVALANCHE COVER ON THE REGIMEN OF THE SIOUX GLACIER, SOUTH-CENTRAL ALASKA.
PB-174 189 8H U67 08 MCS 3.00 MFS 0.65

GLACIERS, DEPOSITS
ORIGIN OF GLACIAL DEPOSITS IN CRILLON GLACIER AREA, ALASKA.
PB-174 208 8L U67 08 MCS 3.00 MFS 0.65

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ECOLOGICAL OBSERVATIONS IN THE MUIR INLET AREA, GLACIER BAY NATIONAL MONUMENT, ALASKA.
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GLACIERS, MOTION
SLIDING OF NON-TEMPERATE GLACIERS.
AD-647 272 8L U67 08 HC$ 3.00 MF$ 0.65

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INVESTIGATION OF THE KINETICS OF CRYSTALLIZATION OF MOLTEN BINARY AND TERNARY OXIDE SYSTEMS QUARTERLY STATUS REPORT NO. 5, SEP. 1 - NOV. 30, 1966.
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GLASS, DEHYDRATION
THE DEHYDRATION OF POROUS GLASS.
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NUCLEAR MAGNETIC RESONANCE STUDIES OF CALCIUM BOROALUMINATE GLASSES.
AD-647 120 20L U67 08

GLASS, REFRACTIVE INDEX
GLASS BEADS FOR TRAFFIC PAINTS.
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GLUTACONIC ACID, A PRODUCT OF THE FERMENTATION OF GLUTAMIC ACID BY PEPTOCOCCUS AEROGENES.
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GLYCOLYSIS, SHOCK(PATHOLOGY)
GLYCOGENOLYSIS AND PHOSPHORYLASE ACTIVITY OF CARDIAC MUSCLE IN HEMORRHAGIC SHOCK.
AD-647 653 6E U67 08

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INVESTIGATION OF THE RELIABILITY OF STERILE INSERTION TECHNIQUES FOR SPACECRAFT FINAL REPORT.
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THERMOELECTRIC POWER IN SILVER-GOLD AND SILVER-GERMANIUM ALLOYS.
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A GONIOMETER STAGE FOR USE AT LIQUID HELIUM TEMPERATURES.
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RECENT DEVELOPMENTS ON TAIWAN.
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THE ECONOMIC DEVELOPMENT OF SOUTH AFRICA IN ITS POLITICAL CONTEXT.
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CODING THE VERTEXES OF A GRAPH.
AD-647 314 9D U67 08

GRAPHITE, SINGLE CRYSTALS
LOW-TEMPERATURE SPECIFIC HEAT AND DENSITY OF STATES OF BORONATED GRAPHITE.
AD-647 482 20L U67 08

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MERCURY DROPLET SIZE AND DISTRIBUTION IN GLASS CONDENSER TUBE IN 1-G AND ZERO- GRAVITY ENVIRONMENTS.
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GEOLOGICAL INTERPRETATION OF GRAVITY ANOMALIES.
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GEOPOTENTIAL VERSUS GEOMETRIC ALTITUDE FROM 0 TO 10,000 KILOMETERS FOR VARIOUS LATITUDES.
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GEOPOTENTIAL - GEOMETRIC ALTITUDE RELATIONS.
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GRAVITATION-INDUCED ELECTRIC FIELD NEAR A METAL.
AD-647 757 20C U67 08

GRAVITY, MEASUREMENT
ACCURACY OF GRAVITY PARAMETERS AND STATION COORDINATES DETERMINED FROM SATELLITE OBSERVATIONS.
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BOLLETTINO DI GEOFISICA TEORICA ED APPLICATA (BULLETIN OF GEOPHYSICS THEORY AND APPLICATION).
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GREEN S FUNCTION, ELEMENTARY PARTICLES
HADAMARD S CLASS OF GREEN S FUNCTIONS IN REGULARIZED G PHI EXP. 4 THEORY.
AD-647 558 20J U67 08

GREEN S FUNCTION, FERMIONS
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PRELIMINARY TESTS OF INSULATED ACCELERATOR GRID FOR ELECTRON BOMBARDMENT THRUSTOR.
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DECISION-MAKING IN SMALL GROUPS - A SIMULATION STUDY.
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METHODS OF ANALYZING GROUP TASKS.
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THE SMALL GROUP FIELD IMPLICATIONS FOR RESEARCH ON BEHAVIOR IN ORGANIZATIONS.
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GROUP DYNAMICS, LEADERSHIP
SOME EFFECTS OF CULTURAL TRAINING ON LEADERSHIP IN HETEROCULTURAL TASK GROUPS.
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GROUP DYNAMICS, MOTIVATION
CRITICAL INCIDENTS WITH HETERO-CULTURAL INTERACTIONS.
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INHOMOGENEOUS COMPLETION OF NON-COMPACT SEMISIMPLE GROUPS WITH THE MAXIMAL COMPACT SUBGROUP AS LITTLE GROUP.
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FLAT BUNDLES AND CHARACTERISTIC CLASSES OF GROUP-REPRESENTATIONS.
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SOME RESULTS ON FINITE GROUPS WHOSE ORDER CONTAINS A PRIME TO THE FIRST POWER.
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A CHARACTERIZATION OF THE MATHIEU GROUP M12.
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TRAJECTORY ANALYSIS OF AN EARTH- VENUS- MERCURY MISSION IN 1973.
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THE EFFECT OF SEVERAL FORWARD-MOUNTED CONTROL JET NOZZLES ON A TYPICAL MISSILE CONFIGURATION AT TRANSONIC SPEEDS, VOLUME I.
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A GLOSSARY OF RANGE TERMINOLOGY.
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TRACKING OF MISSILES AND SPACE VEHICLES.
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A METHOD FOR PREDICTING THE STATIC AERODYNAMIC CHARACTERISTICS OF LOW-ASPECT-RATIO CONFIGURATIONS.
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MAGNETIC METHODS FOR CRACK DETECTION IN CANNON BORES,
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GYPSUM, BARIUM
THE OCCURRENCE OF BARIUM AND STRONTIUM IN TYPICAL NEVADA GYPSUM,
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HALOGEN COMPOUND
ELECTROCHEMICAL DATA, PART V QUARTERLY REPORT, OCT. 1 - DEC. 31, 1966.
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HALOGENATED HYDROCARBONS, DIPOLE MOMENTS
PRECISION MEASUREMENT OF DIPOLE MOMENTS AND OTHER SPECTRAL CONSTANTS OF NORMAL AND DEUTERATED METHYL FLUORIDE AND METHYL CYANIDE,
AD-647 451 7D U67 08

HALOGENATED HYDROCARBONS, POLYMERIZATION
RADIATION-INDUCED POLYMERIZATION OF HEXAFLUOROPROPYLENE.
AD-647 573 7C U67 08

HAMILTONIAN
AN MO THEORY OF THE CUBIC FIELD SPLITTING OF 3D5 6 S IONS IN II-IV COMPOUNDS OF TD SYMMETRY,
N67-18180 7D S05 07 HC$ 3.00 MF$ 0.65

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BIRKHOFF NORMALIZATION PROCESS PROGRAM FOR TIME-INDEPENDENT HAMILTONIAN SYSTEMS,
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HARDWARE
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N67-18038 9F S05 07 HC$ 3.00 MF$ 0.65

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RELATIVISTIC AND NON-RELATIVISTIC SCF WAVE FUNCTIONS FOR ATOMS AND IONS FROM Z EQUALS 2 TO 86, TOGETHER WITH CALCULATIONS OF BINDING ENERGIES, MEAN RADII, SCREENING CONSTANTS, CHARGE DISTRIBUTIONS, AND ELECTRON SHAKE-OFF PROBABILITIES,
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THEORETICAL PHOTODETACHMENT CROSS SECTION FOR THE NEGATIVE ATOMIC OXYGEN ION.
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INVESTIGATION OF WARM FOG PROPERTIES AND FOG MODIFICATION CONCEPTS QUARTERLY PROGRESS REPORT, PERIOD ENDING 31 DEC. 1966.
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ESTIMATION FOR A SIMPLE EXPONENTIAL MODEL.
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EXPLORATORY STUDY OF THE EFFECT OF PULSE DURATION ON TEMPORARY THRESHOLD SHIFT PRODUCED BY IMPULSE NOISE.
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A SIMPLE PORTABLE SONOMICROMETER, MARCH - JULY 1966.
N67-17255 6L S05 07 HC$ 3.00 MF$ 0.65

HEART, METABOLISM
GLYCOGENOLYSIS AND PHOSPHORYLASE ACTIVITY OF CARDIAC MUSCLE IN HEMORRHAGIC SHOCK,
AD-647 653 6E U67 08

HEAT EQUATION
DUAL FUNCTIONS AND HEAT EXPANSIONS.
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HEAT FLUX
HEAT TRANSFER TO CRYOGENIC HYDROGEN FLOWING TURBULENTLY IN STRAIGHT AND CURVED TUBES AT HIGH HEAT FLUXES.
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TIMED HEAT-RELEASE CHEMICAL SYSTEM FOR UNDERWATER APPLICATIONS THERMAL CREAM WARMS DIVERS AND DOWNED PILOTS IN OCEAN.
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PHYSIOLOGICAL ACTIVITY OF THE BROWN ADIPOSE TISSUE,
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HEAT SHIELD
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HEAT SHIELDS, COMPOSITE MATERIALS
HIGH TEMPERATURE RESISTANT MATERIALS FOR MISSILE PROPULSION SYSTEMS.
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HEAT TRANSFER
VACUUM CHAMBER HEAT-TRANSMISSION ANALYSIS.
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HEAT-TRANSFER ANALYSIS FOR LIQUID-METAL FLOW IN RECTANGULAR CHANNELS WITH HEAT SOURCES IN THE FLUID.
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HEAT TRANSFER, KINETIC THEORY
KINETIC THEORY OF THERMAL TRANSPIRATION,
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HEAT-RESISTANT MATERIALS, FIBERS
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HELICOPTER ROTORS, CONFIGURATION
STUDY OF THE HEAVY-LIFT HELICOPTER ROTOR CONFIGURATION,
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HELICOPTERS, FLIGHT SIMULATORS
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LIMIT CYCLE TORSIONAL MOTION OF HELICOPTER BLADES DUE TO STALL,
AD-647 093 20D U67 08

HELIUM
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CONFIGURATION INTERACTION IN THE HELIUM CONTINUUM.
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EXCITON AND IMPURITY STATES IN RARE GAS SOLIDS,
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DEFECTS IN RARE GAS CRYSTALS,
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HELIUM GROUP GASES, OXYGEN CONSUMPTION
THE EFFECT OF CHEMICALLY INERT GASES ON OXYGEN CONSUMPTION IN LIVING TISSUES.
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HELIUM, GAS FLOW
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AD-647 585 20D U67 08

HELIUM, MOLECULAR ENERGY LEVELS
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AD-647 863 7D U67 08

HELIUM, POLARIZATION
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AD-647 861 20H U67 08

HELIUM, VORTICES
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AD-647 754 20D U67 08

EQUILIBRIUM DISTRIBUTION OF RECTILINEAR VORTICES IN A ROTATING CONTAINER.
AD-647 758 20D U67 08

HELIUM, WAVE FUNCTIONS
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AD-647 529 7E U67 08

HEMISPHERICAL SHELLS, STEEL
HYDROSTATIC TESTS OF A HIGH STRENGTH STEEL INTERNALLY STIFFENED HEMISPHERE.
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INHIBITORY PROPERTIES OF SERUM PROTEINS ON THE ENZYMATIC SEQUENCE LEADING TO LYSIS OF RED BLOOD CELLS BY SNAKE VENOM.
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HEMORRHAGE, CARDIOVASCULAR SYSTEM
CARDIOVASCULAR TRAUMA STUDY ON PERIPHERAL VESSELS,
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HETEROGENEOUS REACTORS, REACTOR KINETICS
KINETIC STUDIES OF HETEROGENEOUS WATER REACTORS. ANNUAL SUMMARY REPORT.
STL-372-38 18I N21 05 HC$ 3.00 MF$ 0.65

HIGH FREQUENCY
EXPERIMENTAL INVESTIGATION OF ACOUSTIC LINERS TO SUPPRESS SCREECH IN HYDROGEN-OXYGEN ROCKETS.
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COMPARISON OF SELECTED SUBMICRON POWDER BLENDING METHODS FOR DISPERSION ALLOYS.
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STUDY OF EQUILIBRIUM AIR TOTAL RADIATION.
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LUBRICATION AND WEAR FUNDAMENTALS FOR HIGH VACUUM APPLICATIONS.
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HIGH-PRESSURE RESEARCH, SOLIDS
THE PHYSICAL BEHAVIOR OF SOLIDS UNDER VERY HIGH PRESSURE.
PB-174 180 7D U67 08 HC$ 3.00 MF$ 0.65

HIGH-TEMPERATURE RESEARCH, MATERIALS
HIGH TEMPERATURE RESISTANT MATERIALS FOR MISSILE PROPULSION SYSTEMS.
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GLUTARALDEHYDE FIXATION OF ROUTINE SURGICAL EYE TISSUE.
AD-647 642 6E U67 08

HOLE MOBILITY
A STUDY OF THIN FILM VACUUM DEPOSITED JUNCTIONS ANNUAL STATUS REPORT, 9 DEC. 1965 - 5 DEC. 1966.
N67-19051 20L S05 07 HC$ 3.00 MF$ 0.65

HULLS(MARINE), AMPHIBIOUS VEHICLES
AMPHIBIOUS VEHICLE STUDIES.
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HUMAN BEHAVIOR
INFORMATION FLOW IN AN R AND D LABORATORY.
N67-19082 5J S05 07 HC$ 3.00 MF$ 0.65

HUMAN BODY
A STUDY OF PHYSIOLOGICAL MECHANISMS AND INTER-RELATIONS BETWEEN SYSTEMIC AND REGIONAL BLOOD VOLUME, BLOOD FLOW AND ELECTROLYTE BALANCE INTERIM PROGRESS REPORT, JUL. 1 - DEC. 31, 1966.
N67-19165 6P S05 07 HC$ 3.00 MF$ 0.65

HUMAN ENGINEERING, MILITARY REQUIREMENTS
DEPARTMENT OF DEFENSE STANDARDIZATION PROGRAM-PROJECT 1410-0016. ENGINEERING PRACTICE STUDY - HUMAN ENGINEERING.
AD-647 498 5E U67 08 HC$ 3.00 MF$ 0.65

HUMAN PERFORMANCE
VISUAL PERFORMANCE ON THE MOON.
N67-19085 22A S05 07 HC$ 3.00 MF$ 0.65

HUMANS, ENVIRONMENT
THE BIO-PSYCHO-SOCIOLOGICAL EFFECTS OF THE ENVIRONMENT ON MAN AN ANALYSIS OF CURRENTLY AVAILABLE INFORMATION.
PB-174 214 13M U67 08 HC$ 3.00 MF$ 0.65

HYBRID ROCKET PROPELLANTS, COMBUSTION
COMBUSTION BEHAVIOR OF THERMOPLASTIC POLYMER SPHERES BURNING IN QUIESCENT ATMOSPHERES OF AIR.
AD-646 981 21B U67 08 HC$ 3.00 MF$ 0.65

HYDRAULIC ACTUATORS, DIGITAL SYSTEMS
DIGITAL HYDRAULIC ACTUATOR STUDY.
AD-647 709 13G U67 08 HC$ 3.00 MF$ 0.65

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HYDRAZINE DERIVATIVES, TOXICITY
EFFECT OF HYDRAZINES ON VITAMIN B6 LEVELS IN THE MOUSE BRAIN.
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HYDROCARBON
ORIGIN OF ORGANIC MATTER IN EARLY SOLAR SYSTEM. I - HYDROCARBONS.
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ALIPHATIC HYDROCARBONS IN PRECAMBRIAN ROCKS.
N67-19140 8D S05 07 HC$ 3.00 MF$ 0.65

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SPECTRA AND PHOTOCHEMISTRY OF MOLECULES ADSORBED ON SILICA GEL. IV.
AD-647 095 7D U67 08

HYDROCARBONS, SUBSTITUTION REACTIONS
ELECTROPHILIC SUBSTITUTION AT SATURATED CARBON, XXIX. RELATIONSHIPS BETWEEN POSITION OF PROTONATION OF ALLYLIC ANIONS AND THE KINETIC AND THERMODYNAMIC STABILITIES OF THE OLEFINIC PRODUCTS.
AD-647 375 7C U67 08

HYDRODYNAMICS
TURBULENCE BY ELECTROSTATIC FLUCTUATIONS.
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THEORETICAL STUDIES OF PROPELLANT BEHAVIOR IN THE STATE OF WEIGHTLESSNESS.
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AD-647 155 20D U67 08 HC$ 3.00 MF$ 0.65

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PB-174 251 20D U67 08 HC$ 3.00 MF$ 0.65

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EXCITATION OF HYDROGEN MOLECULE BY ELECTRON IMPACT, III - SINGLET-TRIPLET EXCITATIONS.
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SOME CONSIDERATIONS ON THE NATURE OF THE HYDROGEN BOND AND ON THE STRUCTURE OF WATER.
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HYDROGEN PEROXIDE, SAFETY
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AD-462 041 7B U67 08 HC$ 3.00

HYDROGENOLYSIS
SYNTHESES OF OPTICALLY ACTIVE ALPHA-AMINO ACIDS FROM ALPHA-KETO ACIDS BY HYDROGENOLYTIC ASYMMETRIC TRANSAMINATION.
N67-18121 6A S05 07 HC$ 3.00 MF$ 0.65

HYDROGEN, CHEMICAL REACTIONS
INHIBITION OF THE THERMAL REACTION BETWEEN HYDROGEN AND OXYGEN.
AD-647 886 7B U67 08 HC$ 3.00 MF$ 0.65

HYDROGEN, GAS IONIZATION
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AD-647 511 4A U67 08

HYDROGEN, ISOTOPE SEPARATION
ISOTOPE EFFECTS IN THE DIFFUSION AND SOLUBILITY OF HYDROGEN IN NICKEL AND QUANTUM MASS EFFECTS IN DIFFUSION.
AD-647 366 18R U67 08 HC$ 3.00 MF$ 0.65

HYDROGEN, PARAMAGNETIC RESONANCE
ACADEMY OF SCIENCES. COMMISSION ON SPECTROSCOPY MATERIAL OF THE CONFERENCE PHYSICAL PROBLEMS OF SPECTROSCOPY (13TH) SELECTED ARTICLES.
AD-647 714 7D U67 08 HC$ 3.00 MF$ 0.65

HYDROLYSIS
SPECIFIC NATURE OF HYDROLYSIS OF INSULIN AND TOBACCO MOSAIC VIRUS PROTEIN BY THERMOLYSIN.
N67-17880 6A S05 07 HC$ 3.00 MF$ 0.65

HYDROX ENGINE
COLD-AIR PERFORMANCE EVALUATION OF A SCALE- MODEL FUEL PUMP TURBINE FOR THE M-1 HYDROGEN-OXYGEN ROCKET ENGINE.
N67-17503 21H S05 07 HC$ 3.00 MF$ 0.65

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HYGIENE, SUBMARINE PERSONNEL
GINGIVAL HEALTH AND ORAL HYGIENE ABOARD AN FBM SUBMARINE ON PATROL.
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VERIFICATION OF NUCLEAR MOISTURE AND DENSITY GAUGES.
PB-174 133 13C U67 08 HC$ 3.00 MF$ 0.65

HYPERFINE STRUCTURE, ELECTRON SPIN RESONANCE
ACADEMY OF SCIENCES. COMMISSION ON SPECTROSCOPY MATERIAL OF THE CONFERENCE PHYSICAL PROBLEMS OF SPECTROSCOPY (13TH) SELECTED ARTICLES.
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THE HYPERFINE STRUCTURE OF SPECTRAL LINES AND NUCLEAR MAGNETISM OF MANY-ELECTRON ATOMIC SPECIES.
AD-647 558 7D U67 08 HC$ 3.00 MF$ 0.65

HYPERSONIC DIFFUSERS, PERFORMANCE(ENGINEERING)
AN EXPERIMENTAL INVESTIGATION OF THE FORMING OF A GASEOUS CENTERBODY FOR USE IN A HYPERSONIC DIFFUSER.
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HYPERSONIC FLOW
OPTIMUM HYPERSONIC LIFTING WINGS PROGRESS REPORT, 1 JUL. - 31 DEC. 1966.
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HYPERSONIC FLOW, AERODYNAMIC HEATING
STAGNATION REGION GAS INJECTION IN LOW REYNOLDS NUMBER HYPERSONIC FLOW.
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HYPERSONIC FLOW, FLOW SEPARATION
LAMINAR SEPARATION IN SUPERSONIC AND HYPERSONIC FLOWS.
AD-647 819 20D U67 08 HC$ 3.00 MF$ 0.65

HYPERSONIC FLOW, INSTRUMENTATION
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AD-647 391 20D U67 08 HC$ 3.00 MF$ 0.65

HYPERSONIC FLOW, STABILITY
A SNOWPLOW MODEL OF HYPERSONIC UNSTEADY FLOWS,
AD-647 267 20D U67 08 HC$ 3.00 MF$ 0.65

HYPERSONIC GLIDER
PRELIMINARY INVESTIGATIONS CONCERNING THE HYPERSONIC GLIDER,
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HYPERSONIC WIND TUNNELS, PERFORMANCE(ENGINEERING)
A GENERALIZED ANALYSIS OF THE PERFORMANCE CHARACTERISTICS AND OPERATING RANGES OF HYPERSONIC-FLOW TEST FACILITIES,
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HYPOTHERMIA, BLOOD CIRCULATION
HYPOTHERMIA AND BLOOD FLOW THROUGH SKELETAL MUSCLE,
AD-647 493 6P U67 08 HC$ 3.00 MF$ 0.65

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OXYGEN DEFICIENCY AND AGE,
AD-645 963 6S U67 08 HC$ 3.00 MF$ 0.65

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IMAGE ORTHICONS, PHOTOGRAPHIC TECHNIQUES
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IMMUNOLOGY, BLOOD GROUPS
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AD-647 016 20C U67 08

IMPEDANCE MEASUREMENT
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N67-19196 20N S05 07 HC$ 3.00 MF$ 0.65

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AD-647 543 6E U67 08

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AD-647 168 12B U67 08 HC$ 3.00 MF$ 0.65

INDUSTRIAL PSYCHOLOGY, GROUP DYNAMICS
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PB-174 221 5I U67 08 HC$ 3.00 MF$ 0.65

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AD-647 837 5C U67 08 HC$ 3.00 MF$ 0.65

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MASTER PLAN ROANE INDUSTRIAL VALLEY, ROANE COUNTY, TENNESSEE,
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MASTER DEVELOPMENT PLANS FOR INDUSTRIAL PARKS LOCATED IN ROANE COUNTY, TENNESSEE,
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N67-17799 17G S05 07 HC$ 3.00 MF$ 0.65

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AD-647 714 6E U67 08 HC$ 3.00 MF$ 0.65

INFECTIOUS HEPATITIS, CORTICOSTEROID AGENTS
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AD-647 547 6E U67 08 HC$ 3.00 MF$ 0.65

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AD-647 111 5R U67 08 HC$ 3.00 MF$ 0.65

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AD-647 194 5R U67 08 HC$ 3.00 MF$ 0.65

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MAGNETOIONIC PLASMA
A STUDY OF SELECTED RADIATION AND PROPAGATION PROBLEMS RELATED TO ANTENNAS AND PROBES IN MAGNETO-IONIC MEDIA SEMIANNUAL PROGRESS REPORT, 1 OCT. 1965 - 31 MAR. 1966.
N67-17779 20N S05 07 HC$ 3.00 MF$ 0.65

MEASUREMENT OF ANTENNA IMPEDANCE IN THE IONOSPHERE, I - OBSERVING FREQUENCY BELOW THE ELECTRON GYRO FREQUENCY.
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MAGNETOSPHERE, ATMOSPHERIC MOTION
GEOMAGNETIC AND IONOSPHERIC EFFECTS OF MAGNETOSPHERIC MOTIONS.
AD-647 012 4A U67 08

MAGNETOSTRICTION, REVIEWS
MAGNETOELASTIC INTERACTIONS IN FERRITES.
AD-647 856 20C U67 08

MAGNETO-OPTIC EFFECT, MICROWAVES
METHOD OF DETECTING SMALL ANGLES OF MICROWAVE FARADAY ROTATION.
AD-647 641 20F U67 08

MAGNETS, SCIENTIFIC RESEARCH
FINAL REPORT 1 NOVEMBER 1964 - 31 DECEMBER 1966.
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MAINTENANCE, DIGITAL SYSTEMS
SELF-REPAIR TECHNIQUES INVESTIGATION.
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MAINTENANCE, ELECTRONIC EQUIPMENT
A DESCRIPTION AND ANALYTIC DISCUSSION OF TEN NEW CONCEPTS FOR ELECTRONICS MAINTENANCE.
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MARSUPIAL BIOMODULE EVALUATION STUDY.
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A NEW SPECIES OF THE GENUS NYCTICEBUS (MAMMALIA, LORISIDAE) FROM VIETNAM.
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MANAGEMENT ENGINEERING, MAINTENANCE
A DESCRIPTION AND ANALYTIC DISCUSSION OF TEN NEW CONCEPTS FOR ELECTRONICS MAINTENANCE.
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TECHNOLOGICAL INNOVATION ITS ENVIRONMENT AND MANAGEMENT.
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THE PROBLEM OF THE AGED SCIENTIFIC ORGANIZATION.
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AN EXPERIMENT WITH THE DELPHI PROCEDURE FOR LONG-RANGE FORECASTING. PART I.
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AN EXPERIMENT WITH THE DELPHI PROCEDURE FOR LONG-RANGE FORECASTING, PART II.
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ECONOMIC GROWTH THROUGH UNIVERSITY ASSISTANCE.
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ALTERNATIVES IN WATER MANAGEMENT.
AD-647 829 13B U67 08 MF$ 0.65

MANGANESE ALLOY
EFFECT OF IRRADIATION ON THE HIGH-STRAIN FATIGUE BEHAVIOUR OF A LOW-CARBON HIGH- MANGANESE AND A LOW-ALLOY STEEL.
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MANGANESE COMPOUNDS, METALORGANIC COMPOUNDS
ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XVIII. SOME NEW CYCLOPENTADIENYLMETAL NITROSYL DERIVATIVES OF MANGANESE AND MOLYBDENUM.
AD-647 522 7C U67 08

MANNED ORBITAL LABORATORY (MOL)
REPORT ON THE DESIGN REQUIREMENTS FOR REACTOR POWER SYSTEMS FOR MANNED EARTH ORBITAL APPLICATIONS FINAL REPORT.
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NEW DESIGN FOR MANOMETER SLIDES.
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MANPOWER, JOB ANALYSIS
EVALUATION OF CHANGES IN SKILL-PROFILE AND JOB-CONTENT DUE TO TECHNOLOGICAL CHANGE METHODOLOGY AND PILOT RESULTS FROM THE BANKING, STEEL AND AEROSPACE INDUSTRIES.
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MANUFACTURING AND TEST PROCEDURES FOR AEROBEE 350 BURST DIAPHRAGMS.
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ENGINEERING PSYCHOLOGY.
AD-646 960 5H U67 08 HC$ 3.00 MF$ 0.65

MAN-MACHINE SYSTEMS, CONTROL SYSTEMS
THE HUMAN OPERATOR AS AN ELEMENT IN A CONTROL SYSTEM WITH TIME VARYING DYNAMICS.
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AN INVESTIGATION OF THE HUMAN OPERATOR AS AN ELEMENT IN BOTH TIME VARIANT AND EQUIVALENT TIME INVARIANT CONTROL SYSTEMS.
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AN EXPERIMENT FOR A PHOTOMAP OF SAUDI ARABIA.
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ON ENDOMORPHISMS AND CONGRUENCES OF AUTOMATA,
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MAPS, STATISTICAL ANALYSIS
BOLLETTINO DI GEOFISICA TEORICA ED APPLICATA (BULLETIN OF GEOPHYSICS THEORY AND APPLICATION).
AD-647 279 8G U67 08

MARINE BIOLOGY, ARCTIC OCEAN
ECHINODERES ARLIS, A NEW KINORHYNCH FROM THE ARCTIC OCEAN,
AD-647 523 6C U67 08

MARINE BIOLOGY, SCIENTIFIC RESEARCH
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PB-174 183 8J U67 08 HC$ 3.00 MF$ 0.65

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MARINE PROTECTIVE ELEMENTS AGAINST MARINE BORERS,
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SUBMARINE GEOLOGICAL STUDIES IN THE CONTINENTAL SHELF AND SLOPE OFF THE MEDITERRANEAN COAST OF ISRAEL.
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FINAL TECHNICAL REPORT.
PB-174 184 8A U67 08 HC$ 3.00 MF$ 0.65

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OREGON OCEANOGRAPHIC STUDIES.
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REGIONAL CHANGES IN SHORELINE.
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CLAY MINERAL SEPARATION PROCEDURES FOR GEOCHEMICAL STUDIES OF DEEP SEA SEDIMENTS.
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MARINE GEOLOGY, SEDIMENTATION
GEOLOGICAL STUDIES OF LAKE MICHIGAN.
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SEDIMENTARY ENVIRONMENTS IN A MARINE MARSH,
AD-647 619 8H U67 08

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THE ECONOMICS OF NUCLEAR PROPULSION FOR MARITIME APPLICATIONS. DIGEST.
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A PRELIMINARY PARAMETRIC STUDY OF A WATER-AUGMENTED AIR-JET FOR HIGH-SPEED SHIP PROPULSION,
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A SENSITIVE S-BAND NOISE RECEIVER DEVELOPED FOR THE MARINER MARS 1964 SPACECRAFT PROGRAM.
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MARKERS, PAINTS
GLASS BEADS FOR TRAFFIC PAINTS.
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PROBLEMS IN ASTROPHYSICS. INVESTIGATION OF THE ATMOSPHERES OF VENUS AND MARS.
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MARS SPACECRAFT
A SENSITIVE S-BAND NOISE RECEIVER DEVELOPED FOR THE MARINER MARS 1964 SPACECRAFT PROGRAM.
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MARS (PLANET)
AN EXPERIMENTAL COMPARISON OF THREE TYPICAL MARS ENTRY BODY SHAPES ON THE BASIS OF TOTAL EQUILIBRIUM SHOCK-LAYER RADIATION.
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FOREIGN SCIENCE BULLETIN, VOL. 3, NO. 2, 1967.
AD-647 759 5A U67 08 HC$ 3.00 MF$ 0.65

MASS SPECTROMETER
NEUTRAL PARTICLE COMPOSITION OF THE UPPER ATMOSPHERE.
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MASS SPECTROMETRY
GAS CHROMATOGRAPH-QUADRUPOLE MASS SPECTROMETRIC ANALYSIS OF ORGANIC COMPOUNDS.
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MASS SPECTROSCOPY, SPECTROMETERS
CONSTRUCTION OF A MASS SPECTROMETER FOR POTASSIUM-ARGON ANALYSIS.
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MASS SPECTROSCOPY, SPECTRUM ANALYZERS
FLASH PHOTOLYSIS AND TIME RESOLVED MASS SPECTROMETRY REACTION OF EXCITED IODINE (2P/SUB 1/2/) ATOMS IN THE DECOMPOSITION OF METHYL IODINE,
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EFFECTS OF THE STEFAN-NUSSELT FLOW ON THE APPARENT KINETICS OF HETEROGENEOUS CHEMICAL REACTIONS IN FORCED CONVECTION SYSTEMS.
AD-647 532 7D U67 08

MATERIAL TESTING
STERILIZABLE LIQUID PROPULSION SYSTEM QUARTERLY PROGRESS REPORT, 5 OCT. - 30 DEC. 1966.
N67-17970 21H S05 07 HC$ 3.00 MF$ 0.65

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MATERIALS EROSION
LUBRICATION AND WEAR FUNDAMENTALS FOR HIGH VACUUM APPLICATIONS.
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A BRIEF SYNOPSIS OF IN-HOUSE RESEARCH,
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MATERIALS, SOLID STATE PHYSICS
MATERIALS PREPARATION AND CHARACTERIZATION RESEARCH.
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SOLID STATE RESEARCH 1966 4.
AD-647 688 20L U67 08 HC$ 3.00 MF$ 0.65

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BONDING EVALUATION STUDY OF MPD THERMOELECTRIC PROGRAM OPTIMUM-LENGTH INVESTIGATION.
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COMPUTER FAIRING AND NUMERICAL CONTROL OF MACHINERY.
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MATHEMATICAL LOGIC, AUTOMATA
ON ENDOMORPHISMS AND CONGRUENCES OF AUTOMATA,
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DEGENERATE AUTOMATA SOME RELATIONSHIPS INVOLVING SEMIGROUP ORDER AND REGULAR EVENTS.
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A MODEL FOR PLANETARY QUARANTINE REQUIREMENTS.
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A MATHEMATICAL MODEL FOR THE PERCEPTION OF TONES IN CONTEXT.
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MATHEMATICAL MODELS, BIOPHYSICS
THE PRESSURE-FLOW RELATIONSHIP IN LONG-WAVE PROPAGATION IN LARGE ARTERIES,
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MATHEMATICAL MODELS, ECONOMICS
A FURTHER COMPARISON OF SOME MODELS OF DUOPOLY,
AD-647 790 5C U67 08 HC$ 3.00 MF$ 0.65

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DIGITAL HYDRAULIC ACTUATOR STUDY.
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MODELS FOR PREDICTION AND CONTROL IV MODEL IDENTIFICATION.
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SYSTEM DYNAMICS STUDY FOR THE ULTRA HIGH TEMPERATURE REACTOR EXPERIMENT,
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MATHEMATICAL MODELS, TEST METHODS
MODELS FOR PREDICTION AND CONTROL. VI. DIAGNOSTIC CHECKING.
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MATHEMATICAL TABLE
EQUATIONS FOR RUNGE- KUTTA FORMULAS THROUGH THE EIGHTH ORDER.
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A BRIEF SYNOPSIS OF IN-HOUSE RESEARCH,
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MATHEMATICS, PROGRAMMING(COMPUTERS)
THE FLAP LANGUAGE - A PROGRAMMER S GUIDE.
AD-647 549 9B U67 08 HC$ 3.00 MF$ 0.65

MATRIX ALGEBRA, MEASURE THEORY
ERGODIC PROPERTIES OF EXPECTATION MATRICES OF A BRANCHING PROCESS WITH COUNTABLY MANY TYPES II,
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MATRIX ALGEBRA, TRANSFER FUNCTIONS

A MATRIX METHOD FOR THE DERIVATION OF TRANSFER FUNCTIONS IN TERMS OF PARTIAL FRACTIONS.
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MATRIX ANALYSIS
MATRIX ANALYSIS OF LONGITUDINAL AND TORSIONAL VIBRATIONS IN NONUNIFORM MULTIBRANCH BEAMS.
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MEASURE THEORY, MATRIX ALGEBRA
ERGODIC PROPERTIES OF EXPECTATION MATRICES OF A BRANCHING PROCESS WITH COUNTABLY MANY TYPES II,
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MEASURING DEVICES(ELECTRICAL + ELECTRONIC), RADIO EQUIPMENT
LIST OF NEW RADIO MEASURING INSTRUMENTS PLACED IN SERIAL PRODUCTION BETWEEN 1963-1965.
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MECHANICAL DRAWING, MILITARY REQUIREMENTS
NDTS DRAFTING GUIDE.
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MECHANICAL PROPERTIES, QUALITY CONTROL
AMXMR-P 715-902, QUALITY ASSURANCE PAMPHLET. MECHANICAL TESTING LABORATORY TEST SPECIMENS.
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MECHANICAL PROPERTY
RUBBER RESEARCH INSTITUTE.
N67-17945 11I S05 07 HC$ 3.00 MF$ 0.65

CHARACTERIZATION OF DUTCH BLACK GUNPOWDER.
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MECHANICAL WAVES, EQUATIONS OF MOTION
TRANSIENT MOTION OF AN ELASTIC HALF-SPACE DUE TO A MOVING SURFACE LINE LOAD.
AD-646 999 20K U67 08

MECHANICAL WORKING, METAL PLATES
ADOPTING THE MANUFACTURE OF BENT ROLLING PROFILES OF FINNED PLATE TYPE DURING CALIBRATION WITH RESIDUE OF WAVE PREPARATION.
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MECHANISM
AEROSPACE MECHANISMS.
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MEDICAL EQUIPMENT
A SIMPLE PORTABLE SOMNICROMETER, MARCH - JULY 1966.
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MEDICAL EQUIPMENT, PARENTERAL INFUSIONS
A SYSTEM FOR THE CONTINUOUS INFUSION OF ALPHA-CHLORALOSE ANESTHETIC.
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MEDICAL PERSONNEL, EDUCATION
PROGRAMMED INSTRUCTION AND TEACHING MACHINES IN THE FIELD OF MEDICAL EDUCATION AN ANNOTATED BIBLIOGRAPHY.
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MEDICAL RESEARCH, ABSTRACTS
ABSTRACTS OF PAPERS PRESENTED BY STAFF OF NAMRU-2 BEFORE THE ANNUAL MEETING OF THE FORMOSAN MEDICAL ASSOCIATION (58TH), TAIPEI, NOVEMBER 12-14, 1965.
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MEDICAL RESEARCH, INSTRUMENTATION
BIOINSTRUMENTATION ACTIVITIES IN FOUR LOCALES.
AD-647 284 6R U67 08 HC$ 3.00 MF$ 0.65

INSTRUMENT CONCEPTS DEVELOPING A MULTI-PARAMETER VASCULAR ACTIVITY METER.
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MEDICAL RESEARCH, LABORATORY ANIMALS
USERS OF LABORATORY ANIMALS IN THE UNITED STATES.
AD-647 895 6C U67 08 HC$ 3.00 MF$ 0.65

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FINITE INDENTATION OF ELASTIC AND ELASTIC-PLASTIC MEMBRANES BY A SPHERICAL INDENTER.
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MEMORY STORAGE UNIT
NON-DESTRUCTIVE READOUT DATA MEMORY UNIT, PHASE I FINAL REPORT.
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AD-647 796 6E U67 08 HC$ 3.00 MF$ 0.65

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LE SOMMEIL PARADOXAL ET LE REVE CHEZ LES DEBILES MENTAUX (PARADOXICAL SLEEP AND DREAMING AMONG THE MENTALLY DEFICIENT).
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MERCHANT VESSELS, FUNCTIONAL ANALYSIS
SHIPBOARD SYSTEMS COSTS, A FUNCTIONAL ANALYSIS OF WORK ABOARD SHIP. USNS BLUE JACKET, AN M. S. T. S. REFRIGERATED SHIP. USNS COMET, AN M. S. T. S. ROLL-ON, ROLL-OFF SHIP.
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MERCHANT VESSELS, SYSTEMS ENGINEERING
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TRAJECTORY ANALYSIS OF AN EARTH- VENUS- MERCURY MISSION IN 1973.
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MERCURY, DOPING
DEVELOPMENT OF TECHNIQUES FOR PREPARING HOMOGENEOUS SINGLE CRYSTALS OF LEAD TELLURIDE, LEAD SELENIDE, AND LEAD SULFIDE.
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MESON REACTIONS, DECAY SCHEMES
DECAY CORRELATIONS OF PHOTO-PRODUCED RHO MESONS IN THE STRONG ABSORPTION MODEL.
AD-646 939 20H U67 08

MESON SCATTERING, MOMENTS
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AD-647 374 20J U67 08

MESONS, ALGEBRAS
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AD-647 671 20J U67 08

MESONS, DECAY SCHEMES
COVARIANT ANALYSIS OF QUARK COMMUTATORS AND ELECTROMAGNETIC COUPLINGS.
AD-647 670 20J U67 08

MESOSPHERE
MODIFICATIONS TO THE THEORY OF THE DIFFERENTIAL ABSORPTION EXPERIMENT.
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METABOLISM
SOME CHARACTERISTICS OF METABOLISM AND CONDITIONED REFLEX ACTIVITY OF ANIMALS DURING PROLONGED STAY IN A HELIUM-OXYGEN MEDIUM.
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SEASONAL CHANGES AMONG ENDOCRINE-METABOLIC INDICES OF MEN RESIDING IN A SUBTROPICAL CLIMATE.
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PRELIMINARY TESTS OF INSULATED ACCELERATOR GRID FOR ELECTRON BOMBARDMENT THRUSTOR.
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METAL FATIGUE
EFFECT OF IRRADIATION ON THE HIGH-STRAIN FATIGUE BEHAVIOUR OF A LOW-CARBON HIGH- MANGANESE AND A LOW-ALLOY STEEL.
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METAL FILMS, NICKEL
DEPENDENCE OF COERCIVITY ON DRIVING FIELD IN MULTILAYER FILMS OF NICKEL.
AD-646 950 11F U67 08

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DURABLE CHROMIUM MASKS FOR PHOTORESIST APPLICATIONS.
AD-647 160 14F U67 08

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METALLURGY, CASTING
A METHOD OF ELECTRODE SLAG CASTING OF INGOTS.
AD-647 722 11F U67 08 HC$ 3.00 MF$ 0.65

METALORGANIC COMPOUNDS, CHEMICAL REACTIONS
REACTIONS OF ALKALI METAL DERIVATIVES OF METAL CARBONYLS. VIII. PREPARATION, PROTONATION, AND ALKYLATION OF SODIUM CYANOPENTACARBONYLMETALATES.
AD-647 521 7C U67 08

METALORGANIC COMPOUNDS, COBALT COMPOUNDS
THE NATURE OF THE PRODUCT FROM THE REACTION BETWEEN OCTACARBONYLDICOBALT AND BIS(TRIFLUOROMETHYL) DITHIETEN.
AD-647 523 7C U67 08

METALORGANIC COMPOUNDS, TRANSITION ELEMENTS
ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XVII. CYCLOPENTADIENYLVANADIUM DIACETATE.
AD-647 520 7C U67 08

ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XVIII. SOME NEW CYCLOPENTADIENYLMETAL NITROSYL DERIVATIVES OF MANGANESE AND MOLYBDENUM.
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DEVELOPMENT OF A PROCESS FOR PNEUMATIC EXTRUSION OF METALS.
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METALS, SURFACES
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RESEARCH DIRECTED TOWARD THE ELECTRON MICROANALYSIS OF MINERAL PHASES IN CHONDRITE METEORITES.
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ON MOULTON'S ORBITS IN THE RESTRICTED PROBLEM OF THREE BODIES.
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THE DATA TAPE SYSTEM AND CONTENTS OF DATA TAPE 1.
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THE METEOROLOGICAL ROCKET NETWORK.
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A PROPOSAL FOR A PORTABLE SECONDARY STANDARD ILLUMINATION METER.
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PERMEABILITY OF A MICROCOCCAL CELL TO MALTOSE AND SOME RELATED SUGARS.
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MICROWAVE SCATTERING PARAMETERS FOR NEW ENGLAND RAIN.
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METHOD OF DETECTING SMALL ANGLES OF MICROWAVE FARADAY ROTATION.
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BEHAVIOR OF NON-RAYLEIGH STATISTICS OF MICROWAVE FORWARD SCATTER FROM A RANDOM WATER SURFACE.

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DECISION MAKING WITH UPDATED GRAPHIC VS ALPHA-NUMERIC INFORMATION,
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ADRIATIC HUNTING GROUND FOR OIL,
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AN ELECTROOPTIC MODULATOR,
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STANDARD HARDWARE DESIGN INFORMATION,
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COLLISIONAL ENERGY TRANSFER. THERMAL UNIMOLECULAR SYSTEMS IN THE LOW-PRESSURE REGION,
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MOLECULAR BEAMS, PROBES
PLASMA DENSITY MEASUREMENTS WITH ENERGETIC BEAMS,
AD-647 835 20I U67 08 HC$ 3.00 MF$ 0.65

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PHOTOCHEMISTRY OF ADSORBED ORGANIC MOLECULES. III. THE PHOTOSENSITIZED CIS-TRANS ISOMERIZATION OF PIPERYLENE IN SILICA GEL-BENZENE MATRICES,
AD-647 077 7E U67 08

MOLECULAR ENERGY LEVELS, HELIUM
FORMATION OF EXCITED MOLECULAR STATES IN THE POSITIVE COLUMN OF A HELIUM DISCHARGE,
AD-647 863 7D U67 08

MOLECULAR ENERGY LEVELS, PEPTIDES
CONFORMATIONAL ENERGY ESTIMATES FOR STATISTICALLY COILING POLYPEPTIDE CHAINS,
AD-647 678 6C U67 08

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NUMERICAL EVALUATION OF BARRIER PENETRATION AND RESONANCE EFFECTS ON PHASE SHIFTS,
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THE CALCULATION OF PARAMETERS OF THE MOFFITT EQUATION FOR ROTATORY DISPERSION DATA,
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MOLECULAR ROTATION, MEASUREMENT
MILLIMETER- AND SUBMILLIMETER-WAVE SPECTRA AND MOLECULAR CONSTANTS OF SILVER CHLORIDE,
AD-647 450 20N U67 08

MOLECULAR SPECTROSCOPY, CARBON DIOXIDE
TEMPERATURE DEPENDENCE OF THE TOTAL INTENSITY OF DIFFERENCE-BAND SYSTEMS THE 10-MICRON BAND SYSTEM OF CO2,
AD-647 130 7D U67 08

MOLECULAR SPECTROSCOPY, ELECTRON BOMBARDMENT
USE OF HELLMANN-FEYNMAN AND HYPERVIRIAL THEOREMS TO OBTAIN ANHARMONIC VIBRATION-ROTATION EXPECTATION VALUES AND THEIR APPLICATION TO GAS DIFFRACTION,
AD-647 238 7D U67 08

MOLECULAR SPECTRUM
PREDICTIONS OF SHOCK-LAYER RADIATION FROM MOLECULAR BAND SYSTEMS IN PROPOSED PLANETARY ATMOSPHERES,
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SOME CONSIDERATIONS ON THE NATURE OF THE HYDROGEN BOND AND ON THE STRUCTURE OF WATER,
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LEAST-SQUARES REFINEMENT OF MOLECULAR STRUCTURES FROM GASEOUS ELECTRON-DIFFRACTION SECTOR MICROPHOTOMETER DATA. III. REFINEMENT OF CYCLOPROPANE,
AD-647 027 7D U67 08

LEAST-SQUARES REFINEMENT OF MOLECULAR STRUCTURES FROM GASEOUS ELECTRON-DIFFRACTION SECTOR-MICROPHOTOMETER INTENSITY DATA. II. ADAPTATION TO AUTOMATIC COMPUTATION,
AD-647 028 7D U67 08

LEAST-SQUARES REFINEMENT OF MOLECULAR STRUCTURES FROM GASEOUS ELECTRON-DIFFRACTION SECTOR-MICROPHOTOMETER INTENSITY DATA. I. METHOD,
AD-647 029 7D U67 08

MOLECULAR STRUCTURE, ORGANOBORANES
MOLECULAR AND CRYSTAL STRUCTURE OF C2H5NH2B8H11NHC2H5,
AD-647 486 7D U67 08

MOLECULAR STRUCTURE, PEPTIDES
RANDOM COIL CONFIGURATIONS OF POLYPEPTIDE COPOLYMERS,
AD-647 679 6C U67 08

MOLECULAR STRUCTURE, X-RAY SPECTRUM
ELECTRONIC STRUCTURE OF THE MNO4(-), CRO4(2-), AND VO4(3-) IONS FROM THE METAL K X-RAY SPECTRA,
AD-647 868 7D U67 08

MOLTEN-SALT ELECTROLYTE
ISOTHERMAL IONIC MIGRATION IN MELTS,
N67-17357 7D S05 07 HC$ 3.00 MF$ 0.65

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ELECTRON MICROSCOPIC AND MICRODIFFRACTION INVESTIGATION OF NONMETALLIC IMPURITIES IN MOLYBDENUM AND ITS ALLOYS,
AD-647 729 11F U67 08 HC$ 3.00 MF$ 0.65

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LABORATORY INVESTIGATIONS IN SUPPORT OF FLUID-BED FLUORIDE VOLATILITY PROCESSES. PART XIII. CONDENSED-PHASE EQUILIBRIA IN THE SYSTEM MOLYBDENUM HEXAFLUORIDE-URANIUM HEXAFLUORIDE,
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ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XVIII. SOME NEW CYCLOPENTADIENYLMETAL NITROSYL DERIVATIVES OF MANGANESE AND MOLYBDENUM,
AD-647 522 7C U67 08

THE DIFFERENTIATION BETWEEN UNIDENTATE AND BIDENTATE LIGANDS WHICH DONATE THREE ELECTRONS TO A METAL ATOM,
AD-647 673 7C U67 08

MOLYBDENUM, IMPURITIES
ELECTRON MICROSCOPIC AND MICRODIFFRACTION INVESTIGATION OF NONMETALLIC IMPURITIES IN MOLYBDENUM AND ITS ALLOYS,
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RECOMMENDATIONS FOR FINANCING, UTILIZATION AND PROMOTION OF INDUSTRIAL PARKS LOCATED IN ROANE COUNTY, TENNESSEE,
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MONITOR
STUDY OF CONCEPTUAL DEEP SPACE MONITOR COMMUNICATIONS SYSTEMS USING A SINGLE EARTH SATELLITE. VOLUME II - INTERFACE RELATIONSHIPS, TRADEOFF ANALYSIS AND STUDY RESULTS FINAL REPORT,
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RESPONSE LATENCIES IN THE RHESUS MONKEY AS A FUNCTION OF TONE INTENSITY,
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MONKEYS, VISION
DISRUPTION OF SIZE DISCRIMINATION IN SQUIRREL MONKEYS (SAIMIRI SCIUREUS) BY LSD-25,
AD-647 123 6D U67 08

MONOCYCLIC COMPOUNDS, PHOTOCHEMISTRY
CHARACTERIZATION OF THE REACTIVE EXCITED STATE IN THE PHOTOCHEMISTRY OF A CYCLOHEXADIENONE,
AD-647 869 7E U67 08

MONTE CARLO METHOD
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N67-18016 6R S05 07 HC$ 3.00 MF$ 0.65

MOON, PHOTOGRAPHIC ANALYSIS
A PROPOSED MULTISPECTRAL PHOTOGRAPHY EXPERIMENT FOR AES LUNAR ORBITAL MISSION,
AD-647 009 3B U67 08

MOON, RADAR ECHO AREAS
RADIO ECHO STUDIES OF THE MOON,
AD-487 441 3A U67 08 HC$ 3.00 MF$ 0.65

MOON, THERMAL RADIATION
DIRECTIONAL CHARACTERISTICS OF LUNAR THERMAL EMISSION,
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MOORING, NAVAL VESSELS(COMBATANT)
EQUATIONS OF MOTION FOR MOORING AND DOCKING MANEUVERS OF A DESTROYER AND A SURFACED SUBMARINE,
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THE MOSSBAUER EFFECT IN SURFACE STUDIES FE57 ON W AND ON AG,
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AERODYNAMIC STUDIES OF NON-PLANAR AND NEAR-CIRCULAR MOTIONS SUMMARY REPORT,
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COMPLEX TREATMENT OF A CLASS OF NONCONSERVATIVE STABILITY PROBLEMS,
N67-17991 20K S05 07 HC$ 3.00 MF$ 0.65

MOTIVATION, PERFORMANCE(HUMAN)
HUMAN PERFORMANCE AND BASAL SKIN CONDUCTANCE IN A VIGILANCE-TYPE TASK WITH AND WITHOUT KNOWLEDGE OF RESULTS,
AD-647 512 5J U67 08

MOTOR REACTIONS, VISUAL PERCEPTION
PROCESSING OF SENSORY VISUAL INFORMATION,
AD-647 119 6P U67 08 HC$ 3.00 MF$ 0.65

MOUNTAINS, STRUCTURAL GEOLOGY
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SOME CHARACTERISTICS OF METABOLISM AND CONDITIONED REFLEX ACTIVITY OF ANIMALS DURING PROLONGED STAY IN A HELIUM-OXYGEN MEDIUM,
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SPACEBORNE MULTIPROCESSING SEMINAR,
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ON THE EXTENSION OF GAUSS-MARKOV THEOREM TO COMPLEX MULTIVARIATE LINEAR MODELS,
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MUONS, COSMIC RAYS
THE INTERPRETATION OF THE CHARGE RATIO OF COSMIC-RAY MUONS,
AD-647 279 20H U67 08

MUSCLES, ENZYMES
FUNCTION OF CARNITINE IN THE FATTY ACID OXIDASE-DEFICIENT INSECT FLIGHT MUSCLE,
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MYCOBACTERIUM, DISEASES
ULCERACIONES DE LA PIEL CAUSADAS POR MYCOBACTERIUM ULCERANS (ULCERATIONS OF THE SKIN CAUSED BY MYCOBACTERIUM ULCERANS ,
AD-647 277 6E U67 08

M-1 ROCKET ENGINE
COLD-AIR PERFORMANCE EVALUATION OF A SCALE-MODEL FUEL PUMP TURBINE FOR THE M-1 HYDROGEN-OXYGEN ROCKET ENGINE,
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POLITICAL-MILITARY SCENARIOS,
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ALTERNATIVES IN WATER MANAGEMENT,
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REPORT OF NRL PROGRESS,
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REPORT ON NRL PROGRESS,
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MULTIPLE VERSUS SINGLE STIMULUS DISCRIMINATION LEARNING OF ACTIVE SONAR PIP SHAPES UNDER TWO TRAINING FORMATS,
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REVERBERATION CHARACTERISTICS IN THE DISCRIMINATION OF DOPPLER,
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EQUATIONS OF MOTION FOR MOORING AND DOCKING MANEUVERS OF A DESTROYER AND A SURFACED SUBMARINE,
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WAVE CLIMATOLOGY AS AN AID TO SHIP ROUTING. PART II INDIAN OCEAN AND INDONESIAN WATERS,
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NEBULAE, GAMMA RAYS
FINAL SCIENTIFIC REPORT, 1 FEBRUARY 1965-31 JANUARY 1967,
AD-647 428 3B U67 08 HC$ 3.00 MF$ 0.65

NEON, ATOMIC ENERGY LEVELS
RADIATIVE AND COLLISION-INDUCED RELAXATION OF ATOMIC STATES IN THE 2P(5)3P CONFIGURATION OF NEON,
AD-646 994 7D U67 08

NEOPLASMS, PATHOLOGY
ANGIOKERATOMA. A CLINICOPATHOLOGICAL STUDY,
AD-647 608 6E U67 08

NEOPRENE
RUBBER RESEARCH INSTITUTE,
N67-17945 11I S05 07 HC$ 3.00 MF$ 0.65

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NEUROELECTRIC ACTIVITY DISPLAYED BY COMPUTER-PRODUCED FILMS,
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NERVE FIBERS, SPINAL CORD
AFFERENT FIBRES TO THE SPINAL CORD. THE TERMINAL DISTRIBUTION OF DORSAL ROOT AND ENCEPHALOSPINAL AXONS,
AD-647 337 6P U67 08

NERVE IMPULSES, MODELS(SIMULATIONS)
NEUROELECTRIC ACTIVITY DISPLAYED BY COMPUTER-PRODUCED FILMS,
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NERVE IMPULSES, OPTIC NERVE
MODULATION OF TRANSMISSION OF OPTIC NERVE IMPULSES IN THE ALERT CAT EVIDENCE OF PRESYNAPTIC INHIBITION OF PRIMARY OPTIC AFFERENTS DURING OCULAR MOVEMENTS,
AD-647 862 6P U67 08

NERVOUS SYSTEM, AMINES
MONOAMINERGIC MECHANISMS IN NERVOUS TISSUE,
AD-647 401 6P U67 08 HC$ 3.00 MF$ 0.65

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AUTOMATIC MALFUNCTION ANALYSIS BY DISCRETE NETWORK SIMULATION,
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ANISOTROPIC SPIN POLARIZATION IN FERROMAGNETIC NICKEL.
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MEANDER IN VALLEY CROSSING A DEEP-OCEAN FAN.
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OCEAN BOTTOM, MINERALS
THE EQUILIBRIUM BETWEEN SILICATE AND CARBONATE MINERALS AND ASSOCIATED INTERSTITIAL WATERS IN RECENT OCEANIC SEDIMENTS.
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BOLLETTINO DI GEOFISICA TEORICA ED APPLICATA (BULLETIN OF GEOPHYSICS THEORY AND APPLICATION).
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AIR-SEA WAVES FROM THE EXPLOSION OF KRAKATOA.
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SPECTROCHEMICAL ANALYSIS OF OILS USING A MODIFIED ELECTRODE.
AD-647 262 11H U67 08 HC$ 3.00 MF$ 0.65

OLEIC ACIDS, VITAMIN B COMPLEX
CELL PERMEABILITY A FACTOR IN THE BIOTIN-OLEATE RELATIONSHIP IN LACTOBACILLUS ARABINOSUS. II. EFFECT OF OLEIC ACID AND OTHER SURFACTANTS ON FREE BIOTIN UPTAKE.
AD-647 621 6M U67 08

ONBOARD NAVIGATION
MIDCOURSE NAVIGATION USING STATISTICAL FILTER THEORY, A MANUAL THEODOLITE, AND SYMBOLIC COMPUTER CONTROL.
N67-17800 17G S05 07 HC$ 3.00 MF$ 0.65

ONE-DIMENSIONAL FLOW
THE CENTERED ONE-DIMENSIONAL UNSTEADY EXPANSION OF A VIBRATIONALLY RELAXING NITROGEN-OXYGEN MIXTURE.
N67-17796 20D S05 07 HC$ 3.00 MF$ 0.65

CALCULATION OF THE CENTERED ONE-DIMENSIONAL UNSTEADY EXPANSION OF A REACTING GAS MIXTURE SUBJECT TO VIBRATIONAL AND CHEMICAL NONEQUILIBRIUM.
N67-17797 20D S05 07 HC$ 3.00 MF$ 0.65

ON-LINE PROGRAMMING
SPACEBORNE MULTIPROCESSING SEMINAR.
N67-17101 9R S05 07 HC$ 3.00 MF$ 0.65

OPDAR, LASERS
LIDAR-RADAR LOWER ATMOSPHERIC OBSERVATIONS.
AD-647 463 4A U67 08 HC$ 3.00 MF$ 0.65

OPERATIONS RESEARCH, LOGISTICS
CAN OPERATIONS RESEARCH CONTRIBUTE TO LOGISTICS RESEARCH.
AD-647 685 15E U67 08 HC$ 3.00 MF$ 0.65

OPERATIONS RESEARCH, PRODUCTION CONTROL
THE DISTANCE FUNCTION OF A PRODUCTION STRUCTURE.
AD-647 168 12B U67 08 HC$ 3.00 MF$ 0.65

OPERATORS(MATHEMATICS), PARTIAL DIFFERENTIAL EQUATIONS
DOMINATION ESTIMATES AND GLOBAL EXISTENCE FOR LINEAR PARTIAL DIFFERENTIAL OPERATORS WITH VARIABLE COEFFICIENTS.
PB-174 106 12A U67 08 HC$ 3.00 MF$ 0.65

OPERATORS(PERSONNEL), CONTROL SYSTEMS
THE HUMAN OPERATOR AS AN ELEMENT IN A CONTROL SYSTEM WITH TIME VARYING DYNAMICS.
AD-647 749 5H U67 08 HC$ 3.00 MF$ 0.65

AN INVESTIGATION OF THE HUMAN OPERATOR AS AN ELEMENT IN BOTH TIME VARIANT AND EQUIVALENT TIME INVARIANT CONTROL SYSTEMS.
AD-647 750 5H U67 08 HC$ 3.00 MF$ 0.65

OPTIC NERVE, NERVE IMPULSES
MODULATION OF TRANSMISSION OF OPTIC NERVE IMPULSES IN THE

ALERT CAT EVIDENCE OF PRESYNAPTIC INHIBITION OF PRIMARY OPTIC AFFERENTS DURING OCULAR MOVEMENTS.
AD-647 862 6P U67 08

OPTICAL COUPLING
PHOTON-COUPLED ISOLATION SWITCH QUARTERLY REPORT, 1 JUL. - 30 SEP. 1965.
N67-17971 9A S05 07 HC$ 3.00 MF$ 0.65

OPTICAL EQUIPMENT
A LABORATORY PROGRAM TO DEVELOP IMPROVED GRAZING INCIDENCE X RAY OPTICS.
N67-17955 20F S05 07 HC$ 3.00 MF$ 0.65

OPTICAL HETERODYNE
DEVELOPMENT OF AN OPTICAL SUPERHETERODYNE RECEIVER INTERIM FINAL REPORT NO. 2, MAR. 1965 - OCT. 1966.
N67-17982 20E S05 07 HC$ 3.00 MF$ 0.65

OPTICAL MEASUREMENT
LOW SOLAR ABSORPTANCE AND EMITTANCE SURFACES UTILIZING VACUUM DEPOSITED TECHNIQUES FINAL REPORT, 29 JUN. 1965 - 28 SEP. 1966.
N67-17182 11C S05 07 HC$ 3.00 MF$ 0.65

OPTICAL PHENOMENA, MEASUREMENT
PSEUDO-BREWSTER ANGLE TECHNIQUE FOR DETERMINING OPTICAL CONSTANTS.
AD-647 858 20F U67 08 HC$ 3.00 MF$ 0.65

OPTICAL PROPERTY
VISUAL PERFORMANCE ON THE MOON.
N67-18085 22A S05 07 HC$ 3.00 MF$ 0.65

OPTICAL CONSTANTS OF MAGNESIUM OXIDE IN THE FAR ULTRAVIOLET.
N67-18135 7D S05 07 HC$ 3.00 MF$ 0.65

OPTICAL CONSTANTS OF LITHIUM FLUORIDE IN THE FAR ULTRAVIOLET.
N67-18136 7D S05 07 HC$ 3.00 MF$ 0.65

OPTICAL SPECTRUM
FUNDAMENTAL STUDIES OF THE METALLURGICAL, ELECTRICAL, AND OPTICAL PROPERTIES OF GALLIUM PHOSPHIDE QUARTERLY PROGRESS REPORT, 30 SEP. - 30 DEC. 1966.
N67-18128 20L S05 07 HC$ 3.00 MF$ 0.65

OPTICAL TRACKING
GIANT APERTURE TELESCOPE STUDY.
N67-17946 17H S05 07 HC$ 3.00 MF$ 0.65

OPTICS
BIBLIOGRAPHY ON OPTICAL INFORMATION AND DATA PROCESSING.
N67-17966 9B S05 07 HC$ 3.00 MF$ 0.65

LASER/OPTICS TECHNIQUES SECOND INTERIM SUMMARY REPORT.
N67-18023 20F S05 07 HC$ 3.00 MF$ 0.65

A LABORATORY PROGRAM TO DEVELOP IMPROVED GRAZING INCIDENCE X RAY OPTICS.
N67-18160 20F S05 07 HC$ 3.00 MF$ 0.65

OPTIMAL CONTROL
A DESIGN METHOD FOR AN OPTIMAL ATTITUDE REGULATOR FOR A SPINNING SPACE STATION.
N67-18152 22A S05 07 HC$ 3.00 MF$ 0.65

OPTIMIZATION
THE CONSTRUCTION OF SATURATED 2 RK-P DESIGNS.
N67-17918 12A S05 07 HC$ 3.00 MF$ 0.65

RESEARCH ON THE DESIGN OF ADAPTIVE CONTROL SYSTEMS, VOLUME 1 FINAL REPORT.
N67-18013 9C S05 07 HC$ 3.00 MF$ 0.65

OPTIMIZATION, CONTROL SYSTEMS
DISCRETE LINEAR OPTIMAL CONTROL SYSTEMS WITH ESSENTIALLY QUADRATIC COST FUNCTIONALS.
AD-647 208 12B U67 08

OPTIMAL CONTROL OF DISCRETE-TIME STOCHASTIC SYSTEMS.
AD-647 452 12B U67 08

OPTIMIZATION, ITERATIVE METHODS
OPTIMAL BOUNDED CONTROL WITH LINEAR STOCHASTIC EQUATIONS AND QUADRATIC COST.
AD-647 859 12A U67 08

ORBITAL TRAJECTORIES, ANALYSIS
THE ORBITAL ELEMENTS OF COSMOS 5 NEAR THE BEGINNING AND END OF ITS LIFE.
AD-647 882 22C U67 08 HC$ 3.00 MF$ 0.65

ORBITAL TRAJECTORIES, GEODESICS
ACCURACY OF GRAVITY PARAMETERS AND STATION COORDINATES DETERMINED FROM SATELLITE OBSERVATIONS.
AD-647 765 8E U67 08 HC$ 3.00 MF$ 0.65

ORBITAL TRAJECTORIES, GRAVITY
THE PERTURBATIONS OF SATELLITE ORBITS BY THE GRAVITATIONAL EFFECTS OF AN EXTERNAL BODY.
AD-647 252 22C U67 08 HC$ 3.00 MF$ 0.65

ORBITAL TRAJECTORIES, TIME SERIES ANALYSIS
ADVANTAGES OF REGULARIZATION IN SPACE DYNAMICS.
AD-647 204 22A U67 08

ORDNANCE, DESERT TESTS
MEASUREMENT OF TEMPERATURES IN VARIOUS ORDNANCE EQUIPMENT UNDER THE DESERT ENVIRONMENT.
AD-647 821 5E U67 08 HC$ 3.00 MF$ 0.65

ORGANIC COOLANT
METHODS FOR ANALYSIS OF ORGANIC COOLANTS A SUMMARY OF CURRENT CANADIAN PRACTICE.
N67-18187 18J S05 07 HC$ 3.00 MF$ 0.65

ORGANIC COOLED REACTORS, REACTOR FUELS
EVALUATION OF THORIUM FUELS FOR THE HEAVY WATER ORGANIC COOLED REACTOR.
BAW-393-7 18I N21 05 HC$ 3.00 MF$ 0.65

ORGANIC LIQUID
VISCOUS AND VISCOELASTIC BEHAVIOR OF 1,3,5-TRI-ALPHA-NAPHTHYL BENZENE.
N67-17772 7C S05 07 HC$ 3.00 MF$ 0.65

ORGANIC PHOSPHORUS COMPOUNDS, POLYMERS
RESEARCH AND DEVELOPMENT STUDIES ON WATER-REPELLENT ANTISTATIC COATINGS, MULTI-PURPOSE FLUID THICKENERS AND THERMALLY STABLE ELASTOMERIC POLYMERS.
AD-647 072 11C U67 08 HC$ 3.00 MF$ 0.65

ORGANIC SULFUR COMPOUNDS, COBALT COMPOUNDS
THE NATURE OF THE PRODUCT FROM THE REACTION BETWEEN OCTACARBONYLDICOBALT AND BIS(TRIFLUOROMETHYL) DITHIETEN.
AD-647 523 7C U67 08

ORGANIC SULFUR COMPOUNDS, PETROLEUM
INVESTIGATION OF THE COMPOSITION OF ORGANOSULFUR COMPOUNDS OF KEROSINE-GASOLINE FRACTIONS OF PETROLEUM.
AD-647 733 7C U67 08 HC$ 3.00 MF$ 0.65

ORGANIZATIONS, BEHAVIOR
THE SMALL GROUP FIELD IMPLICATIONS FOR RESEARCH ON BEHAVIOR IN ORGANIZATIONS.
AD-647 891 5J U67 08

ORGANIZATIONS, SOCIAL PSYCHOLOGY
ORGANIZATIONAL STRUCTURE AND SIMILARITY OF CAMPUS STUDENT ORGANIZATIONS.
AD-647 531 5J U67 08

ORGANOBORANES, COMPLEX COMPOUNDS
1,2-BIS(SUBSTITUTED)-O-CARBORANE COMPLEXES. II. NICKEL(II) AND COBALT(III) COMPLEXES DERIVED FROM THE LIGAND 1,2-BIS(MERCAPTO)-O-CARBORANE.
AD-647 810 7C U67 08 HC$ 3.00 MF$ 0.65

ORGANOBORANES, MOLECULAR STRUCTURE
MOLECULAR AND CRYSTAL STRUCTURE OF C2H5NH2B8H11NHC2H5.
AD-647 480 7D U67 08

ORGANOBORANES, SYNTHESIS(CHEMISTRY)
SOME REACTIONS OF TRIPHENYLMETHYL COMPOUNDS WITH BORON FLUORIDE.
AD-646 946 7C U67 08

ORIGIN
THE NONSINGULAR ORIGIN OF THE UNIVERSE.
N67-18193 3B S05 07 HC$ 3.00 MF$ 0.65

OROGENY, THEORY
MECHANISMS OF TECTONIC TRANSPORT IN THE ROCKY MOUNTAINS THRUST BELT NORTH OF THE SNAKE RIVER PLAIN.
PB-174 188 8G U67 08 HC$ 3.00 MF$ 0.65

OSCILLATING FLOW
OSCILLATIONS IN TWO-COMPONENT TWO-PHASE FLOW FINAL REPORT, VOLUME I.
N67-17838 20D S05 07 HC$ 3.00 MF$ 0.65

FLOW OSCILLATIONS IN FORCED CONVECTION BOILING FINAL REPORT, VOLUME II.
N67-17839 20D S05 07 HC$ 3.00 MF$ 0.65

OSCILLATING WING
MERCURY PROGRAMMES FOR LIFTING SURFACE THEORY CALCULATIONS ON WINGS OSCILLATING IN SUPERSONIC FLOW.
N67-18118 20D S05 07 HC$ 3.00 MF$ 0.65

OSCILLATION FREQUENCY
APPROXIMATE METHOD FOR THE DETERMINATION OF THE NATURAL OSCILLATION FREQUENCIES OF CYLINDRICAL, CONIC AND TOROIDAL SHELLS.
N67-17389 20K S05 07 HC$ 3.00 MF$ 0.65

AN APPLICATION OF THE ELECTROMAGNETIC FLOWMETER FOR ANALYZING DYNAMIC FLOW OSCILLATIONS.
N67-17833 14B S05 07 HC$ 3.00 MF$ 0.65

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PB-174 240 9E U67 08 HC$ 3.00 MF$ 0.65

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PB-174 247 9E U67 08 HC$ 3.00 MF$ 0.65

OSMOSIS, SUCROSE
REVERSE OSMOSIS SEPARATION AND CONCENTRATION OF SUCROSE IN AQUEOUS SOLUTIONS USING POROUS CELLULOSE ACETATE MEMBRANES.
AD-647 899 7D U67 08

OXALATES, PYROLYSIS
THE KINETICS OF CALCIUM OXALATE PYROLYSIS.
AD-647 866 7D U67 08

THE KINETICS OF OXALATE ION PYROLYSIS IN A POTASSIUM BROMIDE MATRIX.
AD-647 867 7D U67 08

OXIDATION-REDUCTION REACTIONS, INHIBITION

INHIBITION OF THE HYDROGEN + OXYGEN REACTION BY ETHYLENE. PART 2. DISCUSSION AND EVALUATION OF VELOCITY CONSTANTS,
AD-647 509 7D U67 08

INHIBITION OF THE HYDROGEN + OXYGEN REACTION BY ETHYLENE. PART I. KINETIC RESULTS,
AD-647 634 7D U67 08

INHIBITION OF THE THERMAL REACTION BETWEEN HYDROGEN AND OXYGEN,
AD-647 886 7B U67 08 HC$ 3.00 MF$ 0.65

OXIDATION-REDUCTION REACTIONS, PHOTOLYSIS
PHOTO-INDUCED REDOX REACTIONS.
AD-647 438 7D U67 08 HC$ 3.00 MF$ 0.65

OXIDATION, IODINE
CATIONS AND OXY CATIONS OF IODINE. III. THE +1 THE LOWER OXIDATION STATES OF IODINE IN SULFURIC ACID.
AD-647 881 7B U67 08

OXIDE FILM
OXIDE-CATHODE DURABILITY IN MERCURY ELECTRON-BOMBARDMENT ION THRUSTOR.
N67-17502 21C S05 07 HC$ 3.00 MF$ 0.65

OXIDES, CLOSED ECOLOGICAL SYSTEMS
SUPEROXIDE CONFIGURATIONS FOR ATMOSPHERE CONTROL SYSTEMS,
AD-647 135 6K U67 08 HC$ 3.00 MF$ 0.65

OXYGEN
SOME CHARACTERISTICS OF METABOLISM AND CONDITIONED REFLEX ACTIVITY OF ANIMALS DURING PROLONGED STAY IN A HELIUM-OXYGEN MEDIUM,
N67-17516 6F S05 07 HC$ 3.00 MF$ 0.65

THEORETICAL PHOTODETACHMENT CROSS SECTION FOR THE NEGATIVE ATOMIC OXYGEN ION.
N67-17774 20H S05 07 HC$ 3.00 MF$ 0.65

THE CENTERED ONE-DIMENSIONAL UNSTEADY EXPANSION OF A VIBRATIONALLY RELAXING NITROGEN-OXYGEN MIXTURE.
N67-17796 20D S05 07 HC$ 3.00 MF$ 0.65

OXYGEN CONSUMPTION, TISSUES(BIOLOGY)
THE EFFECT OF CHEMICALLY INERT GASES ON OXYGEN CONSUMPTION IN LIVING TISSUES.
AD-647 809 6P U67 08 HC$ 3.00 MF$ 0.65

OXYGEN SYSTEM
A REPORT OF THE PHYSIOLOGICAL, PSYCHOLOGICAL, AND BACTERIOLOGICAL ASPECTS OF 20 DAYS IN FULL PRESSURE SUITS, 20 DAYS AT 27,000 FEET ON 100 PERCENT OXYGEN, AND 34 DAYS OF CONFINEMENT. PARTS I, II, III.
N67-17601 6S S05 07 HC$ 3.00 MF$ 0.65

OXYGEN, CHEMICAL REACTIONS
INHIBITION OF THE THERMAL REACTION BETWEEN HYDROGEN AND OXYGEN,
AD-647 886 7B U67 08 HC$ 3.00 MF$ 0.65

OXYGEN, REACTION KINETICS
REACTIONS OF O(+) IONS IN HELIUM-OXYGEN AND HELIUM-OXYGEN-NITROGEN MIXTURES.
AD-647 706 7D U67 08 HC$ 3.00 MF$ 0.65

OXYGEN, STARVATION
EFFECT OF PHENYLHYDRAZINE ANEMIA ON THE SUSCEPTIBILITY OF WHITE MICE TO PLAGUE INFECTION,
AD-647 711 6E U67 08 HC$ 3.00 MF$ 0.65

OXYGEN, TOXICITY
ADRENOCORTICAL RESPONSE TO INCREASED OXYGEN TENSIONS,
AD-647 655 6P U67 08

OZONE, TROPOPAUSE
TEMPERATURE AND OZONE VARIATIONS NEAR TROPOPAUSE LEVEL OVER HURRICANE ISBELL OCTOBER 1964.
AD-647 813 4B U67 08

OZONIDES, CHEMICAL REACTIONS
REACTIONS OF OZONIDES. IV. OZONIZATION OF ALKYLCYCLOALKENES,
AD-645 964 7C U67 08

PACIFIC OCEAN, OCEAN BOTTOM TOPOGRAPHY
MEANDER IN VALLEY CROSSING A DEEP-OCEAN FAN,
AD-647 141 8J U67 08

PACIFIC OCEAN, OCEAN CURRENTS
DIRECT CURRENT MEASUREMENTS.
PB-174 109 8C U67 08 HC$ 3.00 MF$ 0.65

PACIFIC OCEAN, OCEANOGRAPHIC DATA
PHYSICAL AND CHEMICAL DATA CCOFI CRUISE 6207-8 10 JULY-29 AUGUST 1962.
PB-174 206 8J U67 08 HC$ 3.00 MF$ 0.65

PACKAGED CIRCUITS, WELDS
RESEARCH AND DEVELOPMENT FOR THREE-DIMENSIONAL WELDED CIRCUIT PACKAGING DESIGN REQUIREMENTS. PART I,
AD-417 690 9E U67 08 HC$ 3.00

RESEARCH AND DEVELOPMENT FOR THREE-DIMENSIONAL WELDED CIRCUIT PACKAGING DESIGN REQUIREMENTS. PART II. 3-D WELDED MODULE DESIGN, PROCESS AND PARAMETER CONTROLS.
AD-417 693 9E U67 08 HC$ 3.00

PACKAGING, ADHESIVES
INVESTIGATION AND DEVELOPMENT OF MATERIALS, EQUIPMENT, AND TECHNIQUES FOR THE BONDING OF PALLETIZED UNIT LOADS USING ADHESIVES.
AD-647 659 13D U67 08 HC$ 3.00 MF$ 0.65

PACKAGING, THERMOSETTING PLASTICS
APPLICATION OF THERMO-SET PLASTICS TO PACKAGING.
AD-647 658 13D U67 08 HC$ 3.00 MF$ 0.65

PAINTS, REFLECTIVITY
GLASS BEADS FOR TRAFFIC PAINTS,
PB-174 137 13R U67 08 HC$ 3.00 MF$ 0.65

PALEONTOLOGY, AQUATIC ANIMALS
REGIONAL CHANGES IN SHORELINE.
AD-647 876 8G U67 08 HC$ 3.00 MF$ 0.65

PALEONTOLOGY, SCIENTIFIC RESEARCH
PRECAMBRIAN ORGANISMS AND ENVIRONMENTS.
PB-174 141 8G U67 08 HC$ 3.00 MF$ 0.65

PALLETS, BONDING
INVESTIGATION AND DEVELOPMENT OF MATERIALS, EQUIPMENT, AND TECHNIQUES FOR THE BONDING OF PALLETIZED UNIT LOADS USING ADHESIVES.
AD-647 659 13D U67 08 HC$ 3.00 MF$ 0.65

PARAMAGNETIC RESONANCE, CHEMISTRY
APPLICATION OF ELECTRON PARAMAGNETIC RESONANCE IN CHEMISTRY,
AD-646 962 20C U67 08 HC$ 3.00 MF$ 0.65

PARAMAGNETIC RESONANCE, HYDROGEN
ACADEMY OF SCIENCES. COMMISSION ON SPECTROSCOPY MATERIAL OF THE CONFERENCE PHYSICAL PROBLEMS OF SPECTROSCOPY (13TH) SELECTED ARTICLES.
AD-647 714 7D U67 08 HC$ 3.00 MF$ 0.65

PARAMAGNETIC RESONANCE, TITANIUM
ELECTRON PARAMAGNETIC RESONANCE OF TI3+ IONS IN TLAL(SO4)2.12H2O,
AD-647 103 7D U67 08

PARAMETRIC AMPLIFIER
SINGLE PARAMETER TESTING QUARTERLY REPORT.
N67-17632 9F S05 07 HC$ 3.00 MF$ 0.65

PARAMETRIC OSCILLATOR
INVESTIGATION OF LASER DYNAMICS, MODULATION AND CONTROL BY MEANS OF INTRA-CAVITY TIME VARYING PERTURBATION SEMIANNUAL STATUS REPORT NO. 2, 1 AUG. 1966 - 31 JAN. 1967.
N67-18019 20E S05 07 HC$ 3.00 MF$ 0.65

PARASITIC DISEASES, BRAIN
STUDIES OF ENCEPHALITOZOON INFECTION IN MAN.
AD-647 586 6E U67 08 HC$ 3.00 MF$ 0.65

PARASITIC DISEASES, CHEMOTHERAPY
STUDIES ON CHEMOTHERAPY AND SERODIAGNOSIS FOR CLONORCHIS SINENSIS INFECTION.
AD-647 581 6D U67 08 MF$ 0.65

PARASITIC DISEASES, CHILDREN
OCCURRENCE OF ENTAMOEBA POLECKI IN SCHOOL CHILDREN IN TAIWAN,
AD-647 624 6E U67 08

PARASITIC DISEASES, THAILAND
CLINICAL MANIFESTATIONS OF OPISTHORCHIS VIVERRINI INFECTIONS IN THAILAND.
AD-647 615 6E U67 08

PARITY, CHLORINE
SPIN AND PARITY OF THE 3.16 MEV AND 7.54 MEV LEVELS IN CHLORINE-35,
AD-647 781 20H U67 08

PARTIAL DIFFERENTIAL EQUATIONS, INTEGRALS
SINGULAR INTEGRALS AND A BOUNDARY VALUE PROBLEM FOR THE HEAT EQUATION,
PB-174 150 12A U67 08 HC$ 3.00 MF$ 0.65

PARTIAL DIFFERENTIAL EQUATIONS, INVARIANCE
EXACT INVARIANTS FOR A CLASS OF NONLINEAR WAVE EQUATIONS.
AD-647 052 12A U67 08

PARTIAL DIFFERENTIAL EQUATIONS, OPERATORS(MATHEMATICS)
DOMINATION ESTIMATES AND GLOBAL EXISTENCE FOR LINEAR PARTIAL DIFFERENTIAL OPERATORS WITH VARIABLE COEFFICIENTS,
PB-174 106 12A U67 08 HC$ 3.00 MF$ 0.65

PARTIAL DIFFERENTIAL EQUATIONS, THEORY
ISOLATED SINGULARITIES OF SOLUTIONS OF LINEAR ELLIPTIC EQUATIONS,
AD-647 448 12A U67 08

PARTICLE SPECTRA, THERMAL NEUTRONS
MEASUREMENT OF THE THERMAL NEUTRON SPECTRUM FROM A NEUTRON CHOPPER,
IS-1449 18D N21 05 HC$ 3.00 MF$ 0.65

PARTICLES, COUNTING METHODS
CALIBRATION OF COULTER COUNTERS FOR PARTICLES APPROXIMATELY 1 MICRON IN DIAMETER,
AD-647 518 14R U67 08

PASSENGER VEHICLES, TRANSPORTATION
THE RADIAL EXPRESS AND SUBURBAN CROSSTOWN BUS RIDER.
PB-174 220 13F U67 08 HC$ 3.00 MF$ 0.65

PASTEURELLA PESTIS, DISEASES
EFFECT OF PHENYLHYDRAZINE ANEMIA ON THE SUSCEPTIBILITY OF WHITE MICE TO PLAGUE INFECTION,
AD-647 711 6E U67 08 HC$ 3.00 MF$ 0.65

CHANGES IN THE MORPHOLOGICAL COMPOSITION OF BLOOD IN EXPERIMENTAL PLAGUE.
AD-647 723 6M U67 08 HC$ 3.00 MF$ 0.65

PATTERN RECOGNITION, COMBINATORIAL ANALYSIS
LINEAR RANKINGS OF FINITE-DIMENSIONAL PATTERNS.
AD-647 044 12A U67 08 HC$ 3.00 MF$ 0.65

PATTERN RECOGNITION, REVIEWS
A BRIEF SURVEY OF PREPROCESSING FOR PATTERN RECOGNITION.
AD-647 275 6D U67 08 HC$ 3.00 MF$ 0.65

PAVEMENTS, CONCRETE
A STATEWIDE DEFLECTION STUDY OF CONTINUOUSLY REINFORCED CONCRETE PAVEMENT IN TEXAS.
PB-174 235 13B U67 08 HC$ 3.00 MF$ 0.65

PAVEMENTS, DEFLECTION
A LABORATORY STUDY OF THE VARIABLES THAT AFFECT PAVEMENT DEFLECTION.
PB-174 236 13B U67 08 HC$ 3.00 MF$ 0.65

PAVEMENTS, STRESSES
INFLUENCE DIAGRAMS FOR STRESSES AND DISPLACEMENTS IN THREE-LAYER PAVEMENT SYSTEMS FOR AIRFIELDS. PART II.
AD-646 984 13B U67 08 HC$ 3.00 MF$ 0.65

PENDULUM APPARATUS
TEST PENDULUM FOR BLACK GUNPOWDER.
N67-18071 19A S05 07 HC$ 3.00 MF$ 0.65

PENTYLENETETRAZOL, ELECTROPHYSIOLOGY
EFFECTS OF PENTAMETHYLENETETRAZOL IN CHRONIC CATS WITH MESENCEPHALIC TRANSECTION.
AD-647 515 6D U67 08

PEPTIDE HYDROLASES, BIOSYNTHESIS
REGULATION OF PROTEINASE FORMATION IN A SPECIES OF MICROCOCCUS.
AD-646 949 6A U67 08

PEPTIDES, IMMUNITY
NATURE OF IMMUNE TOLERANCE BY MEANS OF SYNTHETIC POLYPEPTIDE ANTIGENS.
AD-647 818 6A U67 08 HC$ 3.00 MF$ 0.65

PEPTIDES, MOLECULAR ENERGY LEVELS
CONFORMATIONAL ENERGY ESTIMATES FOR STATISTICALLY COILING POLYPEPTIDE CHAINS.
AD-647 678 6C U67 08

PEPTIDES, MOLECULAR ROTATION
THE CALCULATION OF PARAMETERS OF THE MOFFITT EQUATION FOR ROTATORY DISPERSION DATA.
AD-647 638 6C U67 08

PEPTIDES, MOLECULAR STRUCTURE
RANDOM COIL CONFIGURATIONS OF POLYPEPTIDE COPOLYMERS.
AD-647 679 6C U67 08

PEPTIDES, SYNTHESIS
AN OPTICALLY PURE SEQUENCE PEPTIDE, POLY.GLY.GLY.PHE.
AD-647 632 6C U67 08

PEPTIDES, SYNTHESIS(CHEMISTRY)
REACTIVE INTERMEDIATES AND POTENTIAL CATALYSTS.
AD-647 222 7D U67 08 HC$ 3.00 MF$ 0.65

PERCEPTION(PSYCHOLOGY), WEIGHT
SENSORY CONTRAST EFFECTS IN THE JUDGMENT OF LIFTED WEIGHTS.
AD-646 997 5J U67 08

PERFORMANCE(HUMAN), LEADERSHIP
LEADERSHIP STYLE AND THE PERFORMANCE OF CO-ACTING GROUPS.
AD-647 212 5J U67 08 HC$ 3.00 MF$ 0.65

PERFORMANCE(HUMAN), TECHNICIANS
A PERFORMANCE-ORIENTED ELECTRONICS TECHNICIAN TRAINING PROGRAM. II. INITIAL FLEET FOLLOW-UP EVALUATION OF GRADUATES.
AD-647 553 5J U67 08 HC$ 3.00 MF$ 0.65

PERFORMANCE(HUMAN), UNDERWATER
UPPER EXTREMITY PROSTHETICS RESEARCH. HUMAN TRACKING, SENSORY MOTOR CONTROL. RESEARCH ON CRITERIA AND MEASURES OF VALUE IN ENGINEERING DESIGN. UNDERWATER RESEARCH FACILITY.
AD-647 078 6F U67 08 HC$ 3.00 MF$ 0.65

PERITONEUM, DISEASES
EFFECT OF HYPERBARIC OXYGEN ON EXPERIMENTAL PERITONITIS.
AD-647 340 6F U67 08

PERITONEUM, PERMEABILITY
ENHANCEMENT OF PERITONEAL FLUID ABSORPTION BY DEHYDRATION, MERCAPTOMERIN AND VASOPRESSIN.
AD-647 568 6P U67 08

PERT PROJECT
THE EFFECTS OF PERT ON R+ D ORGANIZATIONS.
N67-18014 5A S05 07 HC$ 3.00 MF$ 0.65

PERTURBATION THEORY
VARIATIONAL METHODS AND DEGENERATE PERTURBATION THEORY.
N67-17773 20M S05 07 HC$ 3.00 MF$ 0.65

PERTURBATION THEORY, FERMIONS
ON THE FINITE TEMPERATURE TRANSPORT PROPERTIES OF NORMAL FERMI SYSTEMS. III. DISSIPATIVE EFFECTS IN A SIMPLE PERTURBATIVE MODEL.
AD-647 504 20J U67 08 HC$ 3.00 MF$ 0.65

PERTURBATION THEORY, FIELD THEORY
WAVE-PACKET DERIVATION OF FIELD-THEORETIC SCATTERING AMPLITUDE.
AD-647 878 20J U67 08

PERTURBATION THEORY, PHONONS
N DEGENERATE MODES.
AD-647 110 20B U67 08

PETROGRAPHY, SEDIMENTARY ROCK
PETROLOGY AND GEOCHEMISTRY OF THE LATE PRECAMBRIAN ROCKS OF THE NORTHEASTERN GREAT BASIN.
PB-174 146 8G U67 08 HC$ 3.00 MF$ 0.65

PETROLEUM, ADRIATIC SEA
ADRIATIC HUNTING GROUND FOR OIL.
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PETROLEUM, ORGANIC SULFUR COMPOUNDS
INVESTIGATION OF THE COMPOSITION OF ORGANOSULFUR COMPOUNDS OF KEROSINE-GASOLINE FRACTIONS OF PETROLEUM.
AD-647 733 7C U67 08 HC$ 3.00 MF$ 0.65

PETROLOGY, ALKALINE EARTH COMPOUNDS
PETROGENETIC LINKS BETWEEN PERIDOTITE MAGMAS AND CARBONATITES.
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PHASE SHIFT
NUMERICAL EVALUATION OF BARRIER PENETRATION AND RESONANCE EFFECTS ON PHASE SHIFTS.
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THE N-DIMENSIONAL TIE-LINE PROBLEM.
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PHENOL FORMALDEHYDE
DECOMPOSITION CHARACTERISTICS OF A CHAR- FORMING PHENOLIC POLYMER USED FOR ABLATIVE COMPOSITES.
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PHONONS, MICROWAVE FREQUENCY
HARMONIC GENERATION OF MICROWAVE PHONONS BY RADIATION PRESSURE AND BY THE PHONON PHONO INTERACTION.
AD-647 021 20A U67 08

PHONONS, PERTURBATION THEORY
N DEGENERATE MODES.
AD-647 110 20B U67 08

PHOSPHATES, REDUCTION(CHEMISTRY)
A STUDY OF THE ELECTRO REDUCTION OF METAPHOSPHATE IN MOLTEN LICL-KCL EUTECTIC.
AD-647 068 7B U67 08

PHOSPHORIC MONOESTER HYDROLASES, KIDNEYS
RENAL ACID PHOSPHATASE A BIOCHEMICAL STUDY.
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PHOSPHORUS COMPOUNDS, NUCLEAR MAGNETIC RESONANCE
PHOSPHORUS COORDINATION COMPOUNDS OF TRANSITION METALS.
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PHOSPHORUS, METABOLISM
A STUDY OF CALCIUM, PHOSPHORUS, AND NITROGEN MOBILIZATION RESULTING FROM CONDITIONS OF INACTIVITY IN MACACA IRUS MONKEYS.
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PHOSPHORUS, SUPERCOOLING
REPORT OF NRL PROGRESS.
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THE EFFECT OF NON-UNIFORM QUANTUM EFFICIENCY ON OPTICAL SYSTEM PERFORMANCE.
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PHOTOCHEMISTRY, KETONES
CHARACTERIZATION OF THE REACTIVE EXCITED STATE IN THE PHOTOCHEMISTRY OF A CYCLOHEXADIENONE.
AD-647 069 7E U67 08

PHOTOCHEMISTRY, MOLECULAR ELECTRONICS
PHOTOCHEMISTRY OF ADSORBED ORGANIC MOLECULES. III. THE PHOTOSENSITIZED CIS-TRANS ISOMERIZATION OF PIPERYLENE IN SILICA GEL-BENZENE MATRICES.
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PHOTODETACHMENT
THEORETICAL PHOTODETACHMENT CROSS SECTION FOR THE NEGATIVE ATOMIC OXYGEN ION.
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PHOTOEMISSION INVESTIGATION OF THE BAND STRUCTURE OF FERROMAGNETIC NI-AL ALLOYS.
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DEAD-TIME CORRECTIONS TO THE STATISTICAL DISTRIBUTION OF PHOTOELECTRONS.
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DURABLE CHROMIUM MASKS FOR PHOTORESIST APPLICATIONS.
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PHOTOGRAPH INTERPRETATION

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A PROPOSED MULTISPECTRAL PHOTOGRAPHY EXPERIMENT FOR AES LUNAR ORBITAL MISSION.
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PHOTOGRAPHIC TECHNIQUES, COHERENT RADIATION
WAVEFRONT RECONSTRUCTION WITH LIGHT OF FINITE COHERENCE LENGTH.
AD-647 041 14E U67 08

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RELATIVE EFFECTIVENESS OF DIFFERENT VIEWING DEVICES FOR PHOTO INTERPRETATION.
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PHOTO-INDUCED REDOX REACTIONS.
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THE EFFECT OF NON-UNIFORM QUANTUM EFFICIENCY ON OPTICAL SYSTEM PERFORMANCE.
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ANTINORMALLY ORDERED CORRELATIONS AND QUANTUM COUNTERS.
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MUTUAL REFRACTION OF ELECTRONS AND PHOTONS.
AD-647 435 20H U67 08

PHOTONS, SCATTERING
WAVE-PACKET DERIVATION OF FIELD-THEORETIC SCATTERING AMPLITUDE.
AD-647 078 20J U67 08

PHOTONS, TRANSPORT PROPERTIES
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DECAY CORRELATIONS OF PHOTO-PRODUCED RHO MESONS IN THE STRONG ABSORPTION MODEL.
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FINAL REPORT 1 NOVEMBER 1964 - 31 DECEMBER 1966.
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EFFECTS OF PH ON THE ELECTROSORPTION OF OXYGEN ON FUEL CELL ELECTRODES.
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INVESTIGATION OF SILVER IODIDE FOR POSSIBLE FREQUENCY CONTROL APPLICATIONS.
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RANDOM-PHASE K-MATRIX APPROACH TO ABSORPTION IN PERIPHERAL INTERACTIONS.
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PIONS, MESON SCATTERING
POSSIBLE ONE-CHANNEL CASTILLEJO-DALITZ-DYSON POLES IN PI N AND PI PI SCATTERING.
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INFLUENCE OF UPSTREAM FLOW DISCONTINUITIES ON THE ACOUSTIC POWER RADIATED BY A MODEL AIR JET.
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THE GEOCHEMISTRY OF ESTUARINE PLANKTON.
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THE OPPOSITE-STREAM PLASMA DIODE.
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PLASMA DENSITY MEASUREMENTS WITH ENERGETIC BEAMS.
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ELECTRODE EFFECTS IN A SEEDED PLASMA.
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PLASMA MEDIUM, ELECTRONS
CALCULATED MAGNETIC ELECTRON DRIFT VELOCITIES IN H2, N2, O2, AIR AND C2H6 FOR 10 OR E E/P OR E 10000 V/M/TORR,
AD-647 535 20I U67 08

PLASMA MEDIUM, GAS DISCHARGES
FORWARD AND BACKWARD-WAVE MOVING STRIATIONS IN THE CONSTRICTED DISCHARGE.
AD-647 327 20I U67 08

PLASMA MEDIUM, MAGNETIC PINCH
SOME EFFICIENCY MEASUREMENTS OF THE THETA-PINCH.
AD-647 499 20I U67 08

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SCATTERING OF ELECTROMAGNETIC WAVES BY A SEMI-INFINITE METAL PLATE IN ANISOTROPIC PLASMA.
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PLASMA MEDIUM, STABILITY
CONFINED AND NONCONFINMED INTERCHANGE INSTABILITIES OBTAINED FROM NONLINEAR COMPUTER MODELS,
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THERMAL DISTRIBUTION AND CONDUCTIVITY OF ELECTRONS IN ARGON MOLECULAR GAS MIXTURES.
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EXCITATION OF WAVES IN HOT-PLASMA WAVEGUIDES WITH INFINITE MAGNETOSTATIC FIELDS,
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NOMOGRAM FOR SAHA S EQUATION.
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TURBULENCE BY ELECTROSTATIC FLUCTUATIONS,
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OCEANOGRAPHIC EFFECTS ON PLASTIC ENGINEERING MATERIALS,
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A MODIFIED HYPERSENSITIZATION PROCEDURE FOR EASTMAN KODAK I-Z SPECTROSCOPIC PLATES.
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PHYSICS RESEARCH QUARTERLY REPORT, APRIL, MAY, JUNE 1966.
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PLUTONIUM ABSTRACTS. VOLUME 6, NUMBER 10,
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NEUTRON POISONED ION EXCHANGE EQUIPMENT,
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DISSOLUTION OF PLUTONIUM-BEARING RESIDUES IN A NITRIC ACID-CALCIUM FLUORIDE SOLVENT SYSTEM,
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RADIATION-INDUCED POLYMERIZATION OF HEXAFLUOROPROPYLENE.
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POLYMERS, PHYSICAL PROPERTIES
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POLYNOMIAL CODES FOR POLYPHASE SIGNALS.
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A STUDY OF THE DEMOGRAPHY OF NUCLEAR WAR. APPENDIX I EMPIRICAL GUIDELINES FOR THE SELECTION OF DEMOGRAPHIC VARIABLES AND AREAL UNITS FOR STUDYING POSTATTACK SOCIETY.
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COMPARISON OF SELECTED SUBMICRON POWDER BLENDING METHODS FOR DISPERSION ALLOYS.
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UNWANTED RESPONSES IN VHF QUARTZ CRYSTAL UNITS.
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RADIOACTIVE FALLOUT, MODELS(SIMULATIONS)
OPERATION CENIZA-ARENA TECHNIQUES FOR THE MEASUREMENT OF DEPOSITION AND REDISTRIBUTION OF FALLOUT AROUND STRUCTURES,
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BED-MATERIAL TRANSPORT STUDY BY TRACERS FINAL REPORT,
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LENINGRAD INSTITUTE OF ELECTRICAL ENGINEERING NEWS, NO. 52, 1964 SELECTED ARTICLES,
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DECONTAMINATION SCHEDULING PROCEDURES FOR RADEF SYSTEMS,
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EMPENNAGE STRESS ANALYSIS REPORT.
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AIR POLUTION ASTHMA IN OSAKA, JAPAN.
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REUSABLE SPACECRAFT
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ROCKET EXHAUST
EFFECTS OF IMPINGEMENT OF ROCKET EXHAUST GASES AND SOLID PARTICLES ON A SPACECRAFT INTERIM REPORT, MAR. 18 - OCT. 25, 1966.
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EXPERIMENTAL INVESTIGATION OF ACOUSTIC LINERS TO SUPPRESS SCREECH IN HYDROGEN-OXYGEN ROCKETS.
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GASEOUS-FILM COOLING OF A ROCKET MOTOR WITH INJECTION NEAR THE THROAT.
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ROCKET MOTOR NOZZLES, REFRACTORY MATERIALS
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HIGH TEMPERATURE RESISTANT MATERIALS FOR MISSILE PROPULSION SYSTEMS.
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ROCKET MOTORS, REVIEWS
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NOZZLE PERFORMANCE EVALUATION PROGRAM FINAL REPORT.
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ROCKET PROPELLANT GRAINS, LOADING(MECHANICS)
GRAVITATIONAL LOADS ON UNITED KINGDOM SOLID-PROPELLANT ROCKET GRAINS.
AD-647 514 21I U67 08

ROCKET PROPULSION, REVIEWS
PROPULSION TECHNOLOGY MONTHLY SURVEY NO. 3.
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ROCKET RESEARCH, FEASIBILITY STUDIES
IMPROVED ROCKET WRENCH, FEASIBILITY STUDIES.
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FORCE MEASUREMENT ON ROCKET SLEDS.
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ROCK FRACTURE RESEARCH.
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PETROLOGY AND GEOCHEMISTRY OF THE LATE PRECAMBRIAN ROCKS OF THE NORTHEASTERN GREAT BASIN.
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ROLLING-ELEMENT FATIGUE LIFE OF SAE 52100 STEEL HOLLOW BALLS.
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LIMIT CYCLE TORSIONAL MOTION OF HELICOPTER BLADES DUE TO STALL.
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AN EXPERIMENTAL STUDY OF TURBULENT BOUNDARY LAYER ON ROUGH WALLS.
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EQUATIONS FOR RUNGE- KUTTA FORMULAS THROUGH THE EIGHTH ORDER.
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PROGRAM DESCRIPTION. REVISION OF RUSSIAN MORPHOLOGY (FIXIT) DP6 (3RM),
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MONITORING AND CONTROL OF SEA WATER COMPOSITION.
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SALIVARY ANTIGENS.
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JOINT SATELLITE STUDIES GROUP. REPORT NO. 2, ANNUAL MEETING, AIX EN PROVIENCE (FRANCE).
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THE PERTURBATIONS OF SATELLITE ORBITS BY THE GRAVITATIONAL EFFECTS OF AN EXTERNAL BODY.
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THEORETICAL PHOTODETACHMENT CROSS SECTION FOR THE NEGATIVE ATOMIC OXYGEN ION.
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OPTIMAL DISPATCHING POLICIES BY DYNAMIC PROGRAMMING.
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AN INVASIVE ENZYME SYSTEM PRESENT IN CERCARIAE BUT ABSENT IN SCHISTOSOMULES OF SCHISTOSOMA MANSONI,
AD-646 970 6C U67 08

SCIENTIFIC PERSONNEL, INFORMATION RETRIEVAL
DOD USER-NEEDS STUDY, PHASE II. FLOW OF SCIENTIFIC AND TECHNICAL INFORMATION WITHIN THE DEFENSE INDUSTRY. VOLUME I. OVERVIEW.
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AIR FORCE SCIENTIFIC RESEARCH BIBLIOGRAPHY 1960.
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FOREIGN SCIENCE BULLETIN, VOL. 3, NO. 2, 1967.
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THE QUANTUM GENERATOR IN SPACE.
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BRIEF REVIEW OF SCINTILLATION STUDIES,
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HIGH RELIABILITY SCREENING OF SEMICONDUCTOR AND INTEGRATED CIRCUIT DEVICES FINAL REPORT.
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BOLLETTINO DI GEOFISICA TEORICA ED APPLICATA (BULLETIN OF GEOPHYSICS THEORY AND APPLICATION).
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OREGON OCEANOGRAPHIC STUDIES.
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SEA-WATER ENVIRONMENT FOR THE MEL OCEAN PRESSURE LABORATORY. PHASE I. STANDARDIZATION OF SEAWATER.
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ISOTOPIC COMPOSITION AND ORIGIN OF THE RED SEA AND SALTON SEA GEOTHERMAL BRINES,
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THE CONCENTRATION OF TRACE ELEMENTS FROM SEA WATER BY ION EXCHANGE,
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INSTRUMENTAL APPROACHES TO X-RAY FABRIC ANALYSIS AND SOME FABRIC FEATURES OF FINE-GRAINED ARGILLACEOUS ROCKS.
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MEASURING SEEBECK COEFFICIENTS ON HIGH RESISTIVITY MATERIALS.
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LA ACTIVIDAD SISMICA EN LA REGION DE LA PENINSULA IBERICA HASTA FINES DE 1960 (THE ACTIVITY SEISMIC OF THE REGION OF THE IBERIAN PENINSULA UP TO 1960).
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THE NATURE OF THE MOTION OF THE EARTH DURING THE PASSAGE OF THE S-WAVE OF EARTHQUAKES.
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AMPLITUDE ANOMALIES AT LASA.
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SEISMIC WAVES, NUCLEAR EXPLOSIONS
STUDY OF SEISMICITY, MECHANICS OF FAULTING AND CRUSTAL STRUCTURE WITHIN THE BASIN AND RANGE AND ADJOINING PROVINCES, WITH EMPHASIS ON SEISMIC INFORMATION PROVIDED BY NUCLEAR EXPLOSIONS.
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RESEARCH ON THE CENTRAL CALIFORNIAN LARGE-SCALE SEISMIC ARRAY.
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STUDY OF SHORT-PERIOD NOISE.
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THEORETICAL AND EXPERIMENTAL STUDIES OF SUB-OPTIMAL SECOND AND THIRD GENERATION SELF-ADAPTIVE BINARY COMMUNICATION SYSTEMS SEMIANNUAL REPORT, JUL. 1 - DEC. 31, 1966.
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CONFIGURATION INTERACTION IN THE HELIUM CONTINUUM.
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SPACEBORNE MULTIPROCESSING SEMINAR.
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FREQUENCY OF CONTACT AND STEREOTYPING.
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HIGH RELIABILITY SCREENING OF SEMICONDUCTOR AND INTEGRATED CIRCUIT DEVICES FINAL REPORT.
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CERTAIN SEMICONDUCTOR APPLICATIONS OF THE SCANNING ELECTRON MICROSCOPE.
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ADVANCED INTEGRATED CIRCUIT DEVELOPMENT.
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THEORY OF THE INTERBAND MAGNETOOPTICAL SEMICONDUCTOR LASER.
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NOISE IN SPACE-CHARGE-LIMITED SOLID-STATE DEVICES.
AD-647 579 9A U67 08

SEMICONDUCTOR DEVICES, SOLID STATE PHYSICS
SOLID STATE RESEARCH 1966 4.
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TUNNELING STUDIES ON THE GROUP V SEMIMETALS AND THE IV-VI SEMICONDUCTORS.
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SEMICONDUCTORS, CRYOGENICS
IX-3. LOW TEMPERATURE TRANSPORT EFFECTS IN N-TYPE GASB AT HIGH MAGNETIC FIELDS.
AD-647 481 20L U67 08

SEMICONDUCTORS, CRYSTAL GROWTH
DEVELOPMENT OF TECHNIQUES FOR PREPARING HOMOGENEOUS SINGLE CRYSTALS OF LEAD TELLURIDE, LEAD SELENIDE, AND LEAD SULFIDE.
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INVESTIGATION OF TWO-CARRIER INJECTION ELECTROLUMINESCENCE.
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OSCILLATORY MAGNETOSTRICTION IN N-GALLIUM ANTIMONIDE.
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SEMICONDUCTORS, OSCILLATION
ACOUSTOELECTRIC DOMAIN EFFECTS IN III-V SEMICONDUCTORS.
AD-647 486 20L U67 08

SEMICONDUCTORS, QUANTUM MECHANICS
THE DIELECTRIC CONSTANT OF BLOCH ELECTRONS IN CROSSED ELECTRIC AND MAGNETIC FIELDS.
AD-647 637 20L U67 08

SEMICONDUCTORS, TUNNELING(ELECTRONICS)
STRONG-COUPLING SUPERCONDUCTOR AT NONZERO TEMPERATURE.
AD-647 638 20C U67 08

SEMISPAN MODEL
AERODYNAMIC DATA ON A LARGE SEMISPAN TILTING WING WITH A 0.5 DIAMETER CHORD, A SINGLE SLOTTED FLAP AND BOTH LEFT-HAND AND RIGHT-HAND ROTATION OF A SINGLE PROPELLER.
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STUDIES IN SEPTIC AND IRREVERSIBLE SHOCK.
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BEHAVIOR OF SEQUENTIAL PREDICTORS OF BINARY SEQUENCES.
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THE CONSTRUCTION OF SATURATED 2 RK-P DESIGNS.
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DUAL FUNCTIONS AND HEAT EXPANSIONS.
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SERIES REPRESENTATIONS OF DISTRIBUTIONS OF QUADRATIC FORMS IN NORMAL VARIABLES, I. CENTRAL CASE.
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STUDIES ON CHEMOTHERAPY AND SERODIAGNOSIS FOR CLONORCHIS SINENSIS INFECTION.
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SERODIAGNOSIS, VIRUS DISEASES

EXAMINATION FOR COMPLEMENT-REQUIRING NEUTRALIZING ANTIBODIES AGAINST JAPANESE ENCEPHALITIS, WESTERN EQUINE ENCEPHALITIS AND VACCINA VIRUSES.
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SEROTONIN, BLOOD CHEMISTRY
THE EFFECTS OF INHALING NON-IONIZED OR POSITIVELY IONIZED AIR CONTAINING 2-4 CO2 ON THE BLOOD LEVELS OF 5-HYDROXYTRYPTAMINE IN MICE.
AD-647 129 6A U67 08

SERUM HEPATITIS, ELECTRON MICROSCOPY
ELECTRON MICROSCOPE STUDY OF THE INFECTIOUS AND SERUM HEPATITIS.
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MICROELECTRONICS EVALUATION. SERVO LOOP ELECTRONICS INTERIM REPORT.
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CONCERNING METRIZATION AND SEPARATION IN NORMAL, SEPARABLE MOORE SPACES.
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INVESTIGATION OF BIOCHEMICAL STABILIZATION OF AQUEOUS SOLUTIONS OF ORGANIC COMPOUNDS BY UNSATURATED FLOW THROUGH POROUS MEDIA SEMIANNUAL STATUS REPORT.
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ANALYSIS OF SEXTANT NAVIGATION MEASUREMENTS DURING LUNAR MODULE RENDEZVOUS.
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SHALLOW SHELL EQUATION
DEFORMATION OF SHALLOW SPHERICAL SANDWICH SHELLS UNDER LOCAL LOADING.
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SHAPED CHARGE
DEVELOPMENT AND TESTING OF ADVANCED SHAPED CHARGE METEORITIC SIMULATORS. PART I - SHAPED CHARGE DESIGN AND DEVELOPMENT.
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DEVELOPMENT AND TESTING OF ADVANCED SHAPED CHARGE METEORITIC SIMULATORS. PART II - CALIBRATION OF FLIGHT GUNS.
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SHEAR STRESSES, TURBULENT BOUNDARY LAYER
A STUDY OF TURBULENCE AT A WALL USING AN ELECTROCHEMICAL WALL SHEAR-STRESS METER.
AD-647 453 20B U67 08

SHEET METAL
TEXTURE STRENGTHENING AND FRACTURE TOUGHNESS OF 4 AL-0.2 O AND 5 AL-2.5 SN ELI TITANIUM SHEET BIAXIAL STRESS FIELDS AT ROOM AND CRYOGENIC TEMPERATURES.
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SHELTERS, CIVIL DEFENSE SYSTEMS
CIVIL DEFENSE RESEARCH PROJECT, PART I.
ORNL-TM-1531 15C N21 05 HC$ 3.00 MF$ 0.65

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STUDIES ON EXPERIMENTAL SHIGELLOSIS SPECIAL REFERENCE TO SPECIAL CHARACTERISTICS OF SHIGELLA SPECIES AND THEIR ACTION UPON LIGATED LOOP.
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DOCUMENTATION OF THE STATIC BALANCE COMPUTER PROGRAM FOR OBTAINING THE LONGITUDINAL STRENGTH OF A SHIP HULL.
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SHIP HULLS, DRAG
EXPERIMENTAL AND ANALYTICAL DETERMINATION OF THE INDUCED DRAG DUE TO BILGE VORTICES.
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SHIP HULLS, MATHEMATICAL ANALYSIS
COMPUTER FAIRING AND NUMERICAL CONTROL OF MACHINERY.
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SHIP STRUCTURAL COMPONENTS, COST EFFECTIVENESS
COST EFFECTIVENESS IN SHEET-STEEL BULKHEAD REPLACEMENT, MAINTENANCE, AND REPAIR.
AD-647 929 13J U67 08 HC$ 3.00 MF$ 0.65

SHIPPING(MARINE), INDIAN OCEAN
WAVE CLIMATOLOGY AS AN AID TO SHIP ROUTING. PART II INDIAN OCEAN AND INDONESIAN WATERS.
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SHIPS, CONTROL
LOW-SPEED CONTROLLABILITY OF SHIPS IN WIND.
AD-647 178 13J U67 08 HC$ 3.00 MF$ 0.65

SHIPS, MARINE SURFACE PROPULSION
A PRELIMINARY PARAMETRIC STUDY OF A WATER-AUGMENTED AIR-JET FOR HIGH-SPEED SHIP PROPULSION.
AD-647 153 13J U67 08 HC$ 3.00 MF$ 0.65

SHOCK LAYER
PREDICTIONS OF SHOCK-LAYER RADIATION FROM MOLECULAR BAND SYSTEMS IN PROPOSED PLANETARY ATMOSPHERES.
N67-17639 3B S05 07 HC$ 3.00 MF$ 0.65

AN EXPERIMENTAL COMPARISON OF THREE TYPICAL MARS ENTRY BODY SHAPES ON THE BASIS OF TOTAL EQUILIBRIUM SHOCK-LAYER RADIATION.
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SHOCK WAVE
SIMPLE THEORETICAL AND EXPERIMENTAL STUDIES OF THE FLOW THROUGH A THREE-SHOCK SYSTEM IN A CORNER.
N67-16776 20D S05 07 HC$ 3.00 MF$ 0.65

COUPLED VIBRATION AND DISSOCIATION RELAXATION BEHIND STRONG SHOCK WAVES IN CARBON DIOXIDE.
N67-17616 7D S05 07 HC$ 3.00 MF$ 0.65

SHOCK WAVE FROM A RELEASE OF GAS AT 230 KM ALTITUDE.
N67-17820 4A S05 07 HC$ 3.00 MF$ 0.65

SHOCK WAVE INTERACTION
EFFECTS OF SHOCK-WAVE IMPINGEMENT ON THE HEAT TRANSFER ON A CYLINDRICAL LEADING EDGE.
N67-17798 20M S05 07 HC$ 3.00 MF$ 0.65

SHOCK WAVES, DAMAGE
SCALING THE EFFECTS OF AIR BLAST ON TYPICAL TARGETS.
AD-481 144 19D U67 08 HC$ 3.00 MF$ 0.65

SHOCK WAVES, THERMODYNAMICS
COMPENDIUM OF SHOCK WAVE DATA. SECTIONS A-1, A-2, VOLUME I.
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SPECTRA AND PHOTOCHEMISTRY OF MOLECULES ADSORBED ON SILICA GEL. IV.
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MONOAMINES ET SOMMEILS ETUDE POLYGRAPHIQUE, NEUROPHARMACOLOGIQUE ET HISTOCHIMIQUE DES ETATS DE SOMMEIL CHEZ LE CHAT (MONOAMINES AND SLEEP POLYGRAPHIC, NEUROPHARMACOLOGICAL AND HISTOCHEMICAL STUDY OF SLEEP IN THE CAT),
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LE SOMMEIL PARADOXAL ET LE REVE CHEZ LES DEBILES MENTAUX (PARADOXICAL SLEEP AND DREAMING AMONG THE MENTALLY DEFICIENT),
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THE ORIENTING REFLEX DURING WAKING AND SLEEPING.
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AD-647 878 7B U67 08

THE FLUOROSULFURIC ACID SOLVENT SYSTEM. II. SOLUTIONS OF ANTIMONY PENTAFLUORIDE ANTIMONY TETRAFLUORIDE MONOFLUOROSULFATE, AND ANTIMONY PENTAFLUORIDE-SULFUR TRIOXIDE MIXTURES,
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SONIC BANG SIMULATION BY A NEW EXPLOSIVES TECHNIQUE.
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GROWTH OF DISTORTION IN A FINITE-AMPLITUDE SOUND WAVE IN AIR.
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AN EXPERIMENTAL STUDY ON THE AEROELASTIC STABILITY OF THIN CYLINDRICAL SHELLS AT THE LOWER SUPERSONIC MACH NUMBERS.
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A SUBSONIC D-REGION PROBE EXPERIMENT USING AN ULTRAVIOLET SOURCE TO PRODUCE IONS AND FREE ELECTRONS.
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LOW SUBSONIC STATIC AND DYNAMIC STABILITY CHARACTERISTICS OF TWO BLUNT 120 DEG CONE CONFIGURATIONS.
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ELECTROPHILIC SUBSTITUTION AT SATURATED CARBON. XXVIII. THE STEREOCHEMICAL CAPABILITIES OF VINYL ANIONS.
AD-647 888 7D U67 08

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KINETIC THEORY OF DIFFUSION IN RAREFIED GASES.
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MONTE CARLO SIMULATION OF THE FLOW OF A RAREFIED GAS AROUND A CYLINDER.
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AD-647 381 20L U67 08

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AD-647 624 20C U67 08

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AD-647 505 20L U67 08

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AD-647 869 20C U67 08

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NUMERICAL ANALYSIS OF THE BLUNT-TRAILING-EDGE SUPERSONIC COMPRESSOR.
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COMPENDIUM OF SHOCK WAVE DATA. SECTIONS A-1, A-2, VOLUME I,
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CRACK PROPAGATION, DELAYED FAILURE, AND RESIDUAL STATIC STRENGTH OF TITANIUM, ALUMINUM, AND STAINLESS STEEL ALLOYS IN AQUEOUS ENVIRONMENTS.
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AD-647 506 20L U67 08

TITANIUM ALLOYS, TENSILE PROPERTIES
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AD-647 709 20C U67 08

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N67-18142 20D S05 07 HC$ 3.00 MF$ 0.65

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N67-17510 20D S05 07 HC$ 3.00 MF$ 0.65

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UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES
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UNDERWATER SOUND, SCIENTIFIC RESEARCH
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AND CHEMICAL NONEQUILIBRIUM.
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UPPER ATMOSPHERE TURBULENCE - A REVIEW.
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NEUTRAL PARTICLE COMPOSITION OF THE UPPER ATMOSPHERE.
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FREEZING POINTS OF SOME TERNARY MIXTURES DERIVED FROM 55 MOLE PERCENT UCL3-45 MOLE PERCENT KCL.
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LABORATORY INVESTIGATIONS IN SUPPORT OF FLUID-BED FLUORIDE VOLATILITY PROCESSES. PART XIII. CONDENSED-PHASE EQUILIBRIA IN THE SYSTEM MOLYBDENUM HEXAFLUORIDE-URANIUM HEXAFLUORIDE.
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CONVALENCY EFFECTS IN U(4+) HALIDE COMPLEXES.
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A STUDY OF THE VIRULENCE OF THE BRUCELLA VACCINE STRAIN FOLLOWING ITS PRESENCE IN AN IRRADIATED ORGANISM.
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WESTERN EQUINE ENCEPHALOMYELITIS VACCINE PRODUCED IN CHICK EMBRYO CELL CULTURES.
AD-647 578 6M U67 08

VACCINIA VIRUS, ANTIGENS + ANTIBODIES
EXAMINATION FOR COMPLEMENT-REQUIRING NEUTRALIZING ANTIBODIES AGAINST JAPANESE ENCEPHALITIS, WESTERN EQUINE ENCEPHALITIS AND VACCINIA VIRUSES.
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CONVALENCY EFFECTS IN U(4+) HALIDE COMPLEXES.
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ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XVII. CYCLOPENTADIENYLVANADIUM DIACETATE.
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VAPOR DEPOSITION
LOW SOLAR ABSORPTANCE AND EMITTANCE SURFACES UTILIZING VACUUM DEPOSITED TECHNIQUES FINAL REPORT, 29 JUN. 1965 - 28 SEP. 1966.
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GROWTH OF SAMARIUM, EUROPIUM, THULIUM AND YTTERBIUM METAL BY VAPOR DEPOSITION.
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FINAL REPORT.
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SHOCK WAVE FROM A RELEASE OF GAS AT 230 KM ALTITUDE.
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LANDING GEAR CRITERIA GROUND LOADS AND REACTIONS.
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WIND TUNNEL TEST REPORT, LIFT FAN POWERED SCALE MODEL.
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EMPENNAGE STRESS ANALYSIS REPORT.
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THE SHOCK AND VIBRATION BULLETIN.
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NITROGEN CHEMISTRY SIGNIFICANT TO PRIMORDIAL SYSTEMS SEMIANNUAL REPORT, 1 JUL. - 31 DEC. 1966.
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STUDIES ON INTERRELATION BETWEEN VIRUS AND HOST AT THE MOLECULAR LEVEL.
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SURFACE TENSION-VISCOSITY RELATION FOR LIQUIDS.
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PROCESSING OF SENSORY VISUAL INFORMATION.
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DATA CONDITIONING AND DISPLAY FOR APOLLO PRELAUNCH CHECKOUT, MULTI-PARAMETER MONITORING DISPLAY.
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VISUAL PERFORMANCE ON THE MOON.
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CORRELATION OF PERFORMANCE IN DETECTING VISUAL AND AUDITORY SIGNALS.
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CELL PERMEABILITY A FACTOR IN THE BIOTINOLEATE RELATIONSHIP IN LACTOBACILLUS ARABINOSUS. II. EFFECT OF OLEIC ACID AND OTHER SURFACTANTS ON FREE BIOTIN UPTAKE.
AD-647 621 6M U67 08

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FACTORS DETERMINING THE PERFORMANCE OF INDEXING SYSTEMS. VOLUME 2. TEST RESULTS.
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ITEM ANALYSIS, VCL INTELLIGIBILITY TEST SERIES.
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VOICE COMMUNICATION SYSTEMS, TRAINING
THE RETENTION OF IMPROVED INTELLIGIBILITY IN VOICE COMMUNICATION.
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VOLCANOES, DEPOSITS
OPERATION CENIZA-ARENA TECHNIQUES FOR THE MEASUREMENT OF DEPOSITION AND REDISTRIBUTION OF FALLOUT AROUND STRUCTURES.
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VOLCANOES, EXPLOSION EFFECTS
AIR-SEA WAVES FROM THE EXPLOSION OF KRAKATOA.
AD-647 037 8K U67 08

VOLTAGE REGULATOR
A PROGRAM OF RESEARCH AND DEVELOPMENT OF LOW INPUT VOLTAGE CONVERSION AND REGULATION QUARTERLY REPORT, 15 DEC. 1965 - 14 MAR. 1966.
N67-16729 10A S05 07 HC$ 3.00 MF$ 0.65

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N67-16730 10A S05 07 HC$ 3.00 MF$ 0.65

HIGH-EFFICIENCY DC TO DC CONVERTER-REGULATORS.
N67-17984 10A S05 07 HC$ 3.00 MF$ 0.65

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VOLTAGE AND ISOLATION TEST SET AN/APN-218.
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ON VORTEX STREET WAKES.
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VORTICES IN AN IMPERFECT BOSE GAS. IV. TRANSLATIONAL VELOCITY.
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VORTICES, HELIUM
IMPURITY SCATTERING BY A CLASSICAL VORTEX.
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EQUILIBRIUM DISTRIBUTION OF RECTILINEAR VORTICES IN A ROTATING CONTAINER.
AD-647 758 20D U67 08

V/STOL AIRCRAFT
AERODYNAMIC DATA ON A LARGE SEMISPAN TILTING WING WITH A 0.8 DIAMETER CHORD, A SINGLE SLOTTED FLAP AND BOTH LEFT-HAND AND RIGHT-HAND ROTATION OF A SINGLE PROPELLER.
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ON VORTEX STREET WAKES.
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TURBULENT JETS AND WAKES IN A PRESSURE GRADIENT.
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THE URB-COIN GAME.
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DEMONSTRATION OF TWO SIMULATIONS OF INTERNAL REVOLUTIONARY CONFLICT POLITICA AND AGILE-COIN.
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FLOW OSCILLATIONS IN FORCED CONVECTION BOILING FINAL REPORT, VOLUME II.
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INVESTIGATION OF WARM FOG PROPERTIES AND FOG MODIFICATION CONCEPTS, VOL. III ANNUAL SUMMARY REPORT.
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WATER SUPPLIES, DAMS
THE GRAND CANYON CONTROVERSY LESSONS FOR FEDERAL COST-BENEFIT PRACTICES.
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WATER SUPPLIES, MANAGEMENT PLANNING
ALTERNATIVES IN WATER MANAGEMENT.
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WATER WAVES, FLUID DYNAMIC PROPERTIES
SURFACE WAVES IN CHANNELS OF FINITE DEPTH.
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SCATTERING OF SURFACE WAVES BY SUBMERGED CIRCULAR CYLINDERS. PART I SCATTERING BY TWO CYLINDERS.
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WATER, SOLUTIONS
THE FLUOROSULFURIC ACID SOLVENT SYSTEM. IV. THE SOLUTES WATER AND POTASSIUM NITRATE.
AD-647 878 7B U67 08

WAVE FUNCTION
AN MO THEORY OF THE CUBIC FIELD SPLITTING OF 3D9 6 S IONS IN II-IV COMPOUNDS OF TD SYMMETRY.
N67-18100 7D S05 07 HC$ 3.00 MF$ 0.65

WAVE FUNCTIONS, HELIUM

PHOTOIONIZATION OF THE HELIUM ATOM,
AD-647 529 7E U67 08

WAVE FUNCTIONS, PROGRAMMING LANGUAGES
RELATIVISTIC AND NON-RELATIVISTIC SCF WAVE FUNCTIONS FOR ATOMS AND IONS FROM Z EQUALS 2 TO 86, TOGETHER WITH CALCULATIONS OF BINDING ENERGIES, MEAN RADII, SCREENING CONSTANTS, CHARGE DISTRIBUTIONS, AND ELECTRON SHAKE-OFF PROBABILITIES.
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ACOUSTIC-GRAVITY WAVES IN THE EARTH S ATMOSPHERE. I - THE GENERAL NATURE OF ACOUSTIC-GRAVITY WAVES. II - ACOUSTIC-GRAVITY WAVE DUCTING IN THE ATMOSPHERE BY VERTICAL TEMPERATURE STRUCTURE.
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BACKSCATTER OF ELECTROMAGNETIC WAVES FROM A ROUGH LAYER.
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ADMITTANCE OF A WEDGE EXCITED CO-AXIAL ANTENNA WITH A PLASMA SHEATH.
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LENSES GUIDE OPTICAL FREQUENCIES TO LOW-LOSS TRANSMISSION.
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WAVEGUIDES, PLASMA MEDIUM
EXCITATION OF WAVES IN HOT-PLASMA WAVEGUIDES WITH INFINITE MAGNETOSTATIC FIELDS.
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THE SJRC A6A HYBRID SIMULATION.
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NOTES ON THUNDERSTORM MOTIONS, HEIGHTS, AND CIRCULATIONS.
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PREDICTION OF CLEAR AIR TURBULENCE.
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RESEARCH IN OBJECTIVE WEATHER FORECASTING.
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A STATISTICAL APPROACH TO CLIMATOLOGY.
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SIMPLE THEORETICAL AND EXPERIMENTAL STUDIES OF THE FLOW THROUGH A THREE-SHOCK SYSTEM IN A CORNER.
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WEIGHTING (MATH)
EQUATIONS FOR RUNGE- KUTTA FORMULAS THROUGH THE EIGHTH ORDER.
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WEIGHTLESSNESS
THEORETICAL STUDIES OF PROPELLANT BEHAVIOR IN THE STATE OF WEIGHTLESSNESS.
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WEIGHT, PERCEPTION(PSYCHOLOGY)
SENSORY CONTRAST EFFECTS IN THE JUDGMENT OF LIFTED WEIGHTS.
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A SURVEY OF WELDING AND INSPECTION TECHNIQUES FOR 2219- T81 ALUMINUM ALLOY INTERIM REPORT.
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FABRICATION OF EXPERIMENTAL FLUX-CORED FILLER WIRES.
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BIBLIOGRAPHY AND INDEX OF NAVAL APPLIED SCIENCE LABORATORY TECHNICAL REPORTS ON HIGH STRENGTH STEELS.
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WESTERN EQUINE ENCEPHALOMYELITIS VIRUS, ANTIGENS + ANTIBODIES
EXAMINATION FOR COMPLEMENT-REQUIRING NEUTRALIZING ANTIBODIES AGAINST JAPANESE ENCEPHALITIS, WESTERN EQUINE ENCEPHALITIS AND VACCINA VIRUSES.
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WESTERN EQUINE ENCEPHALOMYELITIS VIRUS, VACCINES
WESTERN EQUINE ENCEPHALOMYELITIS VACCINE PRODUCED IN CHICK EMBRYO CELL CULTURES.
AD-647 570 6M U67 08

WHISKERS(CRYSTALS), STRAIN(MECHANICS)
SUPERCONDUCTING TRANSITION TEMPERATURE AND RESISTIVITY OF TIN WHISKERS AS A FUNCTION OF UNIAXIAL TENSION.
AD-647 889 20L U67 08

WIDE-FIELD CAMERAS, AERIAL PHOTOGRAPHY
AERIAL PHOTOGRAPHY USING WIDE-ANGLE OBJECTIVES WITH SHADED FILTERS.
AD-647 715 14E U67 08

WIND TUNNEL MODEL
SIMPLE THEORETICAL AND EXPERIMENTAL STUDIES OF THE FLOW THROUGH A THREE-SHOCK SYSTEM IN A CORNER.
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WIND TUNNEL MODELS, AERODYNAMIC CHARACTERISTICS
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WIND, NUMERICAL ANALYSIS
RESEARCH IN OBJECTIVE WEATHER FORECASTING.
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WIND, SHIPS
LOW-SPEED CONTROLLABILITY OF SHIPS IN WIND.
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DEMONSTRATION OF A TRANSONIC ROM METHOD FOR UNSTEADY AERODYNAMICS OF PLANAR WINGS.
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MARINE PROTECTIVE ELEMENTS AGAINST MARINE BORERS.
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NEW AND LITTLE-KNOWN PLAGIORHYNCHID ACANTHOCEPHALA FROM TAIWAN AND THE PESCADORES ISLANDS.
AD-647 410 6C U67 08

XENON, FISSION PRODUCTS
XENON YIELDS IN THE FISSION OF HEAVY ELEMENTS BY MEDIUM-ENERGY PROTONS.
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HUMAN PERFORMANCE AND BASAL SKIN CONDUCTANCE IN A VIGILANCE-TYPE TASK WITH AND WITHOUT KNOWLEDGE OF RESULTS,
AD-647 512 5J U67 00

ELECTRO-OPTICAL SYSTEMS, INC., PASADENA, CALIF.
POWER SUPPLIES USING HIGH FREQUENCY MODULES FINAL REPORT, JUN. 1965 - JAN. 1967.
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ACOUSTIC-GRAVITY WAVES IN THE EARTH S ATMOSPHERE. I - THE GENERAL NATURE OF ACOUSTIC-GRAVITY WAVES, II - ACOUSTIC-GRAVITY WAVE DUCTING IN THE ATMOSPHERE BY VERTICAL TEMPERATURE STRUCTURE.
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TEMPERATURE DEPENDENCE OF THE TOTAL INTENSITY OF DIFFERENCE-BAND SYSTEMS THE 10-MICRON BAND SYSTEM OF CO2,
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STUDY OF FAILURE AND RELIABILITY IN MICROELECTRONIC DEVICES FIFTH QUARTERLY REPORT, SEP. - NOV. 1966.
N67-19015 9A S05 07 HC$ 3.00 MF$ 0.65

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AD-647 859 6P U67 08

GEOLOGICAL SURVEY OF ISRAEL, JERUSALEM, QUATERNARY AND RECENT GEOLOGY DIV.
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DESMOGONIUS DESMOGONIUS STEPHENS, 1911 (PRONOCEPHALIDAE DIGENEA), A REDESCRIPTION WITH OBSERVATIONS ON EGG FILAMENT FORMATION.
AD-647 609 6C U67 08

KAOHSIUNG MEDICAL COLL (TAIWAN)+
BIOCHEMICAL STUDIES ON THE TOXIC NATURE OF SNAKE VENOM.
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AD-647 664 6S U67 08

INHIBITORY ACTION OF ADRENERGIC BLOCKING AGENTS ON CATECHOLAMINE RELEASE AND UPTAKE IN ISOLATED NERVE GRANULES.
AD-647 665 6P U67 08

THE EFFECT OF COLD EXPOSURE ON THE CATECHOLAMINE OF RATS TREATED WITH DECARDRANE.
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STUDIES OF ENCEPHALITOZOON INFECTION IN MAN.
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EFFETS EEG ET COMPORTEMENTAUX DES PRIVATIONS DE SOMMEIL PARADOXAL CHEZ LE CHAT (EEG AND BEHAVIOURAL EFFECTS OF DEPRIVATION OF PARADOXICAL SLEEP IN THE CAT),
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THEORY OF THE INTERBAND MAGNETOOPTICAL SEMICONDUCTOR LASER.
AD-647 698 20F U67 08

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XENON YIELDS IN THE FISSION OF HEAVY ELEMENTS BY MEDIUM-ENERGY PROTONS.
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THE FLUOROSULFURIC ACID SOLVENT SYSTEM. V. IODINE TRIFLUOROSULFATE.
AD-647 877 7D U67 08

THE FLUOROSULFURIC ACID SOLVENT SYSTEM. IV. THE SOLUTES WATER AND POTASSIUM NITRATE.
AD-647 878 7B U67 08

THE FLUOROSULFURIC ACID SOLVENT SYSTEM. II. SOLUTIONS OF ANTIMONY PENTAFLUORIDE ANTIMONY TETRAFLUORIDE MONOFLUOROSULFATE, AND ANTIMONY PENTAFLUORIDE-SULFUR TRIOXIDE MIXTURES.
AD-647 880 7B U67 08

CATIONS AND OXY CATIONS OF IODINE. III. THE +1 THE LOWER OXIDATION STATES OF IODINE IN SULFURIC ACID.
AD-647 881 7B U67 08

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ON ERROR TORQUES OF SQUEEZE-FILM CYLINDRICAL JOURNAL BEARINGS.
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AD-647 521 7C U67 08

ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XVIII. SOME NEW CYCLOPENTADIENYLMETAL NITROSYL DERIVATIVES OF MANGANESE AND MOLYBDENUM.
AD-647 522 7C U67 08

THE NATURE OF THE PRODUCT FROM THE REACTION BETWEEN OCTACARBONYLDICOBALT AND BIS(TRIFLUOROMETHYL) DITHIETEN.
AD-647 523 7C U67 08

ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XV. NEW OLEFINIC AND ACETYLENIC DERIVATIVES OF TUNGSTEN.
AD-647 673 7C U67 08

ORGANOMETALLIC CHEMISTRY OF THE TRANSITION METALS. XVI. POLYNUCLEAR CYCLOPENTADIENYLMETAL CARBONYLS OF IRON AND COBALT.
AD-647 674 7C U67 08

THE DIFFERENTIATION BETWEEN UNIDENTATE AND BIDENTATE LIGANDS WHICH DONATE THREE ELECTRONS TO A METAL ATOM.
AD-647 675 7C U67 08

MELLON INST., PITTSBURGH, PA.
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DIFFUSION AS A PROBLEM OF STATISTICAL PATH.
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OSCILLATIONS IN TWO-COMPONENT TWO-PHASE FLOW FINAL REPORT, VOLUME I.
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A NEW DETERMINATION OF THE EMBRITTLEMENT IN STEEL USING SMALL SPECIMENS (APPROXIMATELY 0.2 CC) IN PARTICULAR WITH RESPECT TO IRRADIATION PROGRESS REPORT, 1 APR. - 30 JUN. 1966,
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A PLAN TO USE PROGRAMMED GROUP EXERCISES TO STUDY CROSS-CULTURAL DIFFERENCES IN MANAGEMENT BEHAVIOR,
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AD-647 482 20L U67 08

A PIEZO-SPECTROSCOPIC DETERMINATION OF THE SYMMETRIES OF ACCEPTOR STATES IN SILICON AND GERMANIUM,
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AD-647 486 20L U67 08

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PHOTOIONIZATION OF THE HELIUM ATOM,
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QUENCHING OF AURORAL HYDROGEN LINE EMISSION BY COLLISIONAL IONIZATION,

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CONSTRAINED DESIGNS. PART I. FIRST ORDER DESIGNS,
AD-647 417 12A U67 08 HC$ 3.00 MF$ 0.65

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AD-647 108 7D U67 08

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N67-17246 12A S05 07 HC$ 3.00 MF$ 0.65

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VARIATIONAL METHODS AND DEGENERATE PERTURBATION THEORY.
N67-17773 20H S05 07 HC$ 3.00 MF$ 0.65

NUMERICAL EVALUATION OF BARRIER PENETRATION AND RESONANCE EFFECTS ON PHASE SHIFTS.
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AD-647 563 6E U67 08 HC$ 3.00 MF$ 0.65

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12A U67 08

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8G U67 08

7D U67 08

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7A U67 08

20D U67 08

20J U67 08

20D U67 08 HC$ 3.00 MF$ 0.65
20D U67 08 HC$ 3.00 MF$ 0.65

12A U67 08
12A U67 08

20A U67 08

3B U67 08

6C U67 08
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20I U67 08

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12A U67 08
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20J U67 08

12A U67 08
12A U67 08

20I U67 08

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20L U67 08
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20R U67 08

20D U67 08 HC$ 3.00 MF$ 0.65

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8K U67 08 HC$ 3.00 MF$ 0.65
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12A U67 08
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12A U67 08 HC$ 3.00 MF$ 0.65

6C U67 08

13J U67 08

13J U67 08 HC$ 3.00 MF$ 0.65
13J U67 08 HC$ 3.00 MF$ 0.65
13J U67 08 HC$ 3.00 MF$ 0.65

12B U67 08 HC$ 3.00 MF$ 0.65
12B U67 08 HC$ 3.00 MF$ 0.65

13J U67 08 HC$ 3.00 MF$ 0.65

6H U67 08
6R U67 08
6A U67 08
6A U67 08

5J U67 08 HC$ 3.00 MF$ 0.65
5J U67 08 HC$ 3.00 MF$ 0.65

18R U67 08 HC$ 3.00 MF$ 0.65

						CON-CON
AD-647 368	20D	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-2931(00)						
AD-647 121	6F	U67	08			
CONTRACT NONR-2993(00)						
AD-647 123	6D	U67	08			
CONTRACT NONR-3055(00)						
AD-647 790	5C	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-310(88)						
AD-647 829	13B	U67	08		MF$ 0.65	
CONTRACT NONR-3353(00)						
AD-647 426	20A	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 427	20A	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-3392(00)						
AD-647 190	12A	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-3395(00)						
AD-647 818	7C	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-3436(00)						
AD-647 466	5J	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 531	5J	U67	08			
CONTRACT NONR-3502(01)						
AD-647 657	6E	U67	08			
CONTRACT NONR-3656(06)						
AD-647 128	6A	U67	08			
CONTRACT NONR-3723(00)						
AD-647 530	6M	U67	08			
CONTRACT NONR-3870(00)						
AD-647 127	6A	U67	08			
CONTRACT NONR-3902(00)						
AD-647 130	7D	U67	08			
CONTRACT NONR-3963(19)						
AD-647 083	7D	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-401(40)						
AD-647 611	6D	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-401(54)						
AD-647 321	20L	U67	08			
CONTRACT NONR-4010(17)						
AD-647 501	3R	U67	08			
CONTRACT NONR-404(19)						
AD-647 303	11R	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4259(09)						
AD-647 859	13H	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4259(11)						
AD-647 114	6F	U67	08			
CONTRACT NONR-4294(00)						
AD-647 697	5J	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 801	5J	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4336(00)						
AD-647 312	20L	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4375(00)						
AD-647 709	13G	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4526(04)						
AD-647 284	8R	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 290	8R	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 291	8R	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4534(00)						
AD-647 403	20I	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 405	20I	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4650(00)						
AD-647 085	13F	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4673(00)						
AD-647 795	7E	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4767(00)						
AD-647 256	13H	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 257	13R	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-4859(00)						
AD-647 271	4A	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-562(26)						
AD-647 120	20L	U67	08			
CONTRACT NONR-562(27)						
AD-647 737	20R	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 739	20B	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-580(19)						
AD-647 747	20I	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-610(06)						
AD-647 239	20K	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 240	20K	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-656(12)						
AD-647 364	20F	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NONR-656(29)						
AD-645 981	21R	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NO4-52-0604						
AD-481 144	19D	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NO4-52-0604-C						
N67-17875	4A	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT NO4-54-0625						
AD-647 847	9R	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NSF-C-464						
PR-174 249	5R	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT NSG-09-010-027						
N67-15126	6M	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT NSG-17-004-003						
N67-19086	20N	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT N000-14-66-C-0241						
AD-647 022	18H	U67	08			
CONTRACT N00014-66-C-0058						
AD-647 305	3R	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N00014-66-C-0344						
AD-647 614	20F	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N00140-66-C-0403						
AD-645 985	11D	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N123(60530)32857A						
AD-647 075	6E	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N156-46781						
AD-647 072	11C	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N178-8823						
AD-647 371	6G	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N238(62479)65421						
AD-647 302	15B	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N238(62479)69928						
AD-647 242	18H	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N421-4804						
AD-647 084	5I	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N50RI-166(01)						
AD-647 140	6L	U67	08			
CONTRACT N60NR-269(07)						
AD-647 255	5I	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N60RI-104(02)						
AD-647 139	17B	U67	08			
AD-647 402	17B	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N61339-1423						
AD-647 266	13J	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N62319-67-C-0040						
AD-647 228	13J	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N62558-4297						
AD-647 528	20H	U67	08			
AD-647 529	7E	U67	08			
CONTRACT N62558-4355						
AD-647 256	12A	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT N70NR-411(01)						
AD-647 202	17B	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT OCD-OS-62-174						
AD-647 136	13L	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT OCD-PS-64-17						
AD-646 996	5J	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT OCD-PS-64-262						
AD-647 350	18D	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT OCD-PS-65-29						
AD-647 802	15F	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 803	15F	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT OCD-PS-66-42						
AD-646 943	5K	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT OEMSR-1335						
AD-647 343	8F	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT PH43-64-44						
AD-647 894	6C	U67	08	HC$ 3.00	MF$ 0.65	
AD-647 896	6C	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT SD-86						
AD-647 425	8M	U67	08	HC$ 3.00	MF$ 0.65	
CONTRACT SNPC-27						
N67-17181	21F	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT SNPC-35						
N67-18156	20M	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT T-25750-G						
N67-17601	6S	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT T-37761-G						
N67-17255	6L	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT W-14-108-ENG-8						
HCW-1511	7A	N21	05	HC$ 3.00	MF$ 0.65	
CONTRACT W-31-109-ENG-38						
ANL-6271-ADDENDUM	18I	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7112	18K	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7189	18I	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7195	18H	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7201	18I	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7223	18K	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7239	13H	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7240	7D	N21	05	HC$ 3.00	MF$ 0.65	
ANL-7255	18I	N21	05	HC$ 3.00	MF$ 0.65	
CONTRACT W-7405-ENG-26						
K-1518	18B	N21	05	HC$ 3.00	MF$ 0.65	
K-1679	18B	N21	05	HC$ 3.00	MF$ 0.65	
K-1688	7A	N21	05	HC$ 3.00	MF$ 0.65	
ORNL-TM-1531	15C	N21	05	HC$ 3.00	MF$ 0.65	
ORNL-TM-1615	18I	N21	05	HC$ 3.00	MF$ 0.65	
ORNL-4001	18J	N21	05	HC$ 3.00	MF$ 0.65	
ORNL-4021	18I	N21	05	HC$ 3.00	MF$ 0.65	
ORNL-4027	9B	N21	05	HC$ 3.00	MF$ 0.65	
Y-1559	18D	N21	05	HC$ 3.00	MF$ 0.65	
Y-1560	7R	N21	05	HC$ 3.00	MF$ 0.65	
CONTRACT W-7405-ENG-36						
LA-3512	20H	N21	05	HC$ 3.00	MF$ 0.65	
LA-3517	13K	N21	05	HC$ 3.00	MF$ 0.65	
LA-3518	18I	N21	05	HC$ 3.00	MF$ 0.65	
LA-3544	11F	N21	05	HC$ 3.00	MF$ 0.65	
LA-3554	7B	N21	05	HC$ 3.00	MF$ 0.65	
LA-3559	7A	N21	05	HC$ 3.00	MF$ 0.65	
LA-3561	18I	N21	05	HC$ 3.00	MF$ 0.65	
LA-3562	7R	N21	05	HC$ 3.00	MF$ 0.65	
LA-3579-MS	7B	N21	05	HC$ 3.00	MF$ 0.65	
LA-3603	7D	N21	05	HC$ 3.00	MF$ 0.65	
LA-3615-MS	20R	N21	05	HC$ 3.00	MF$ 0.65	
LA-3624-MS	20G	N21	05	HC$ 3.00	MF$ 0.65	
LA-3625-MS	18I	N21	05	HC$ 3.00	MF$ 0.65	
CONTRACT W-7405-ENG-48						
UCRL-14983	4B	N21	05	HC$ 3.00	MF$ 0.65	
UCRL-17075	8G	N21	05	HC$ 3.00	MF$ 0.65	
UCRL-17225	7D	N21	05	HC$ 3.00	MF$ 0.65	
UCRL-50108 (VO.L. 1)	20M	N21	05	HC$ 3.00	MF$ 0.65	
UCRL-50118	7D	N21	05	HC$ 3.00	MF$ 0.65	
UCRL-50127	18A	N21	05	HC$ 3.00	MF$ 0.65	
UCRL-50136	18A	N21	05	HC$ 3.00	MF$ 0.65	
UCRL-50137	20M	N21	05	HC$ 3.00	MF$ 0.65	
CONTRACT W-7405-ENG-82						
IS-1449	18D	N21	05	HC$ 3.00	MF$ 0.65	
CONTRACT W-7405-ENG-92						
BMI-1777	18I	N21	05	HC$ 3.00	MF$ 0.65	
CONTRACT 120-26-02-05-22						
N67-17512	21C	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT 120-26-02-06-22						
N67-17502	21C	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT 120-27-03-13-22						
N67-17626	20D	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT 120-27-04-21-22						
N67-17506	13K	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT 120-27-06-06-22						
N67-17623	10A	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT 120-33-01-02-22						
N67-17507	10A	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT 122-29-07-03-22						
N67-17505	21H	S05	07	HC$ 3.00	MF$ 0.65	
CONTRACT 125-17-03-02-21						
N67-17799	17G	S05	07	HC$ 3.00	MF$ 0.65	

CONTRACT 125-17-04-01
N67-17800 17G S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 126-13-03-02-00
N67-17798 20M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 127-49-02-76
N67-17509 6M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 128-31-02-25-22
N67-17503 21M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 128-31-02-50-22
N67-17628 21M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 129-01-03-01-21
N67-17616 7D S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 129-01-08-16-23
N67-17796 20D S05 07 HC$ 3.00 MF$ 0.65
N67-17797 20D S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 129-01-08-17-21
N67-17699 3B S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 129-01-09-07-22
N67-17627 20M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 129-02-04-06-22
N67-17621 20M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 129-03-01-05-22
N67-17625 11F S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 189-36-01-02-51
N67-17876 20D S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 701-04-00-02-22
N67-17510 20D S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 719-01-00-03-24
N67-17173 1A S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 720-03-01-01-22
N67-17624 13I S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 720-03-01-48-22
N67-17511 13M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 721-01-00-11-23
N67-17622 1A S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 731-21-03-03-YRG0615
N67-17172 20K S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 731-65-06-02-22
N67-17504 21M S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 891-05-00-01-22
N67-17821 22D S05 07 HC$ 3.00 MF$ 0.65
CONTRACT 914-50-80-02-72
N67-17513 20M S05 07 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-0607-64
AD-647 874 7D U67 08
GRANT AF-AFOSR-1000-64
AD-646 944 7C U67 08
AD-646 945 7C U67 08
GRANT AF-AFOSR-1009-64
AD-647 399 12A U67 08 HC$ 3.00 MF$ 0.65
AD-647 400 12A U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-1022-64
AD-647 225 18C U67 08
GRANT AF-AFOSR-1077-64
AD-647 454 12A U67 08
GRANT AF-AFOSR-1155-64
AD-647 704 7D U67 08
GRANT AF-AFOSR-1158-64
AD-647 215 12R U67 08 MF$ 0.65
GRANT AF-AFOSR-124-65
AD-647 375 7C U67 08
GRANT AF-AFOSR-129-66
AD-647 447 19D U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-139-64
AD-647 457 9A U67 08
GRANT AF-AFOSR-139-65
AD-647 007 9E U67 08
AD-647 016 20C U67 08
AD-647 023 9E U67 08
AD-647 026 6C U67 08
GRANT AF-AFOSR-139-66
AD-647 441 20F U67 08
GRANT AF-AFOSR-16-63
AD-647 440 20H U67 08
GRANT AF-AFOSR-180-65
AD-647 005 20L U67 08
GRANT AF-AFOSR-185-63
AD-647 000 12A U67 08
GRANT AF-AFOSR-191-63
AD-647 205 7D U67 08
GRANT AF-AFOSR-2-65
AD-647 411 20J U67 08
GRANT AF-AFOSR-226-63
AD-647 438 7D U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-232-66
AD-647 374 20J U67 08
GRANT AF-AFOSR-273-65
AD-647 429 20F U67 08
GRANT AF-AFOSR-273-66
AD-647 431 7D U67 08
AD-647 863 7D U67 08
GRANT AF-AFOSR-292-66
AD-647 205 12R U67 08
GRANT AF-AFOSR-298-63
AD-647 428 20N U67 08
GRANT AF-AFOSR-317-63
AD-647 330 8R U67 08
AD-647 515 6D U67 08
GRANT AF-AFOSR-334-66
AD-647 230 8C U67 08
GRANT AF-AFOSR-368-65
AD-647 445 12A U67 08
GRANT AF-AFOSR-385-65
AD-647 636 12A U67 08
AD-647 666 20J U67 08
GRANT AF-AFOSR-397-65
AD-647 440 3C U67 08
AD-647 444 3A U67 08
GRANT AF-AFOSR-397-67
AD-647 204 22A U67 08
GRANT AF-AFOSR-399-64
AD-647 235 20D U67 08
GRANT AF-AFOSR-400-64
AD-647 231 12A U67 08
GRANT AF-AFOSR-440-66
AD-647 382 20H U67 08
AD-647 443 20H U67 08
AD-647 861 20M U67 08
GRANT AF-AFOSR-493-66
AD-647 450 20N U67 08
AD-647 451 7D U67 08
GRANT AF-AFOSR-49A-65
AD-647 313 9F U67 08
AD-647 314 20I U67 08
AD-647 316 9D U67 08
AD-647 456 12R U67 08
GRANT AF-AFOSR-496-66
AD-647 320 12A U67 08
AD-647 449 20L U67 08
AD-647 452 12B U67 08
GRANT AF-AFOSR-51-63
AD-647 855 20C U67 08
GRANT AF-AFOSR-516-64
AD-647 877 7D U67 08
AD-647 878 7B U67 08
AD-647 880 7B U67 08
AD-647 881 7B U67 08
GRANT AF-AFOSR-523-64
AD-647 637 20L U67 08
GRANT AF-AFOSR-53A-64
AD-647 437 20H U67 08
AD-647 438 20L U67 08
AD-647 439 20L U67 08
AD-647 441 20L U67 08
GRANT AF-AFOSR-547-66
AD-647 453 20D U67 08
GRANT AF-AFOSR-565-66
AD-647 702 20C U67 08
GRANT AF-AFOSR-571-64
AD-647 208 12B U67 08
GRANT AF-AFOSR-574-64
AD-647 800 5G U67 08
GRANT AF-AFOSR-580-66
AD-647 520 7C U67 08
AD-647 521 7C U67 08
AD-647 522 7C U67 08
AD-647 523 7C U67 08
AD-647 673 7C U67 08
AD-647 674 7C U67 08
AD-647 675 7C U67 08
GRANT AF-AFOSR-584-64
AD-647 633 7D U67 08
GRANT AF-AFOSR-602-64
AD-647 238 7D U67 08
GRANT AF-AFOSR-604-64
AD-647 436 20H U67 08
AD-647 703 20L U67 08
GRANT AF-AFOSR-607-64
AD-647 852 7D U67 08
GRANT AF-AFOSR-611-64
AD-647 379 20C U67 08
GRANT AF-AFOSR-62-24
AD-647 342 7E U67 08
GRANT AF-AFOSR-62-279
AD-647 222 7D U67 08 HC$ 3.00 MF$ 0.65
AD-647 632 6C U67 08
AD-647 860 7D U67 08
GRANT AF-AFOSR-624-65
AD-646 994 7D U67 08
GRANT AF-AFOSR-629-64
AD-647 630 6C U67 08
AD-647 858 7D U67 08
GRANT AF-AFOSR-631-64
AD-647 506 20L U67 08
GRANT AF-AFOSR-646-64
AD-647 414 8K U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-732-65
AD-647 002 6A U67 08
GRANT AF-AFOSR-735-65
AD-647 381 20L U67 08
AD-647 638 20C U67 08
AD-647 869 20C U67 08
GRANT AF-AFOSR-76-66
AD-647 455 20L U67 08
GRANT AF-AFOSR-764-65
AD-647 796 6E U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-781-65
AD-647 803 7D U67 08
GRANT AF-AFOSR-782-65
AD-647 265 20H U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-807-65
AD-647 854 20C U67 08
GRANT AF-AFOSR-821-65
AD-646 999 20K U67 08
GRANT AF-AFOSR-825-65
AD-647 446 20I U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-857-65
AD-647 377 11F U67 08
GRANT AF-AFOSR-858-65
AD-647 420 3B U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-AFOSR-874-66
AD-647 207 12A U67 08
GRANT AF-AFOSR-883-65
AD-647 448 12A U67 08
GRANT AF-AFOSR-907-65
AD-647 866 7D U67 08
AD-647 867 7D U67 08
GRANT AF-AFOSR-947-65
AD-647 631 20H U67 08
GRANT AF-AFOSR-968-65
AD-646 997 5J U67 08
GRANT AF-EOAR-63-66

AD-647 392 19D U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-EOAR-14-66
AD-647 401 6P U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-EOAR-15-65
AD-647 886 7R U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-EOAR-16-66
AD-647 391 20D U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-EOAR-17-66
AD-647 819 6A U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-EOAR-20-64
AD-647 784 20J U67 08
GRANT AF-EOAR-26-66
AD-647 119 6P U67 08 HC$ 3.00 MF$ 0.65
GRANT AF-EOAR-31-63
AD-647 504 7D U67 08
GRANT AF-EOAR-34-64
AD-647 707 7C U67 08 HC$ 3.00 MF$ 0.65
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GRANT AF-EOAR-7-66
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AD-647 873 6P U67 08
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AD-647 378 20C U67 08
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AD-647 874 20D U67 08
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AD-646 985	9E	U67	08	HC$	3.00	MF$	0.65		
AD-646 98A	13R	U67	08	HC$	3.00	MF$	0.65		
AD-646 987	14F	U67	08	HC$	3.00	MF$	0.65		
AD-646 988	11D	U67	08	HC$	3.00	MF$	0.65		
AD-646 989	20D	U67	08	HC$	3.00	MF$	0.65		
AD-646 990	8M	U67	08	HC$	3.00	MF$	0.65		
AD-646 991	8C	U67	08			MF$	0.65		
AD-646 992	13F	U67	08	HC$	3.00	MF$	0.65		
AD-646 993	13F	U67	08	HC$	3.00	MF$	0.65		
AD-646 994	7D	U67	08						
AD-646 995	7D	U67	08	HC$	3.00	MF$	0.65		
AD-646 99A	5J	U67	08	HC$	3.00	MF$	0.65		
AD-646 997	5J	U67	08						
AD-646 998	20L	U67	08	HC$	3.00	MF$	0.65		
AD-646 999	20K	U67	08						
AD-647 000	12A	U67	08						
AD-647 001	20L	U67	08	HC$	3.00	MF$	0.65		
AD-647 002	6A	U67	08						
AD-647 003	7D	U67	08						
AD-647 004	13J	U67	08						
AD-647 005	20L	U67	08						
AD-647 006	13M	U67	08	HC$	3.00	MF$	0.65		
AD-647 007	9E	U67	08						
AD-647 008	3R	U67	08						
AD-647 009	3R	U67	08						
AD-647 010	5A	U67	08	HC$	3.00	MF$	0.65		
AD-647 011	20I	U67	08						
AD-647 012	4A	U67	08						
AD-647 013	4R	U67	08						
AD-647 014	9R	U67	08						
AD-647 015	7D	U67	08						
AD-647 016	20C	U67	08						
AD-647 017	20M	U67	08						
AD-647 018	7D	U67	08						
AD-647 019	9R	U67	08						
AD-647 020	7D	U67	08						
AD-647 021	20A	U67	08						
AD-647 022	18M	U67	08						
AD-647 023	9F	U67	08						
AD-647 024	6E	U67	08						
AD-647 025	6E	U67	08						
AD-647 026	6C	U67	08						
AD-647 027	7D	U67	08						
AD-647 028	7D	U67	08						
AD-647 029	7D	U67	08						
AD-647 030	20I	U67	08						
AD-647 031	9E	U67	08	HC$	3.00	MF$	0.65		
AD-647 032	20D	U67	08	HC$	3.00	MF$	0.65		
AD-647 033	20I	U67	08						
AD-647 034	6S	U67	08	HC$	3.00	MF$	0.65		
AD-647 035	5G	U67	08	HC$	3.00	MF$	0.65		
AD-647 036	6P	U67	08	HC$	3.00	MF$	0.65		
AD-647 037	8K	U67	08						
AD-647 038	14R	U67	08	HC$	3.00	MF$	0.65		
AD-647 039	20J	U67	08						
AD-647 040	20F	U67	08						
AD-647 041	14E	U67	08						
AD-647 042	20L	U67	08	HC$	3.00	MF$	0.65		
AD-647 043	20L	U67	08	HC$	3.00	MF$	0.65		
AD-647 044	9D	U67	08	HC$	3.00	MF$	0.65		
AD-647 045	12A	U67	08	HC$	3.00	MF$	0.65		
AD-647 046	12A	U67	08	HC$	3.00	MF$	0.65		
AD-647 047	12A	U67	08	HC$	3.00	MF$	0.65		
AD-647 048	6D	U67	08	HC$	3.00	MF$	0.65		
AD-647 049	11R	U67	08	HC$	3.00	MF$	0.65		
AD-647 050	12A	U67	08						
AD-647 051	15G	U67	08	HC$	3.00	MF$	0.65		
AD-647 052	12A	U67	08						
AD-647 053	20R	U67	08						
AD-647 054	11I	U67	08	HC$	3.00	MF$	0.65		
AD-647 055	6L	U67	08	HC$	3.00	MF$	0.65		
AD-647 056	22B	U67	08	HC$	3.00	MF$	0.65		
AD-647 057	13B	U67	08	HC$	3.00	MF$	0.65		
AD-647 058	20F	U67	08	HC$	3.00	MF$	0.65		
AD-647 059	20M	U67	08						
AD-647 060	6M	U67	08	HC$	3.00	MF$	0.65		
AD-647 061	9R	U67	08	HC$	3.00	MF$	0.65		
AD-647 062	7C	U67	08						
AD-647 063	13G	U67	08	HC$	3.00	MF$	0.65		
AD-647 064	14B	U67	08	HC$	3.00	MF$	0.65		
AD-647 065	20L	U67	08	HC$	3.00	MF$	0.65		
AD-647 066	20B	U67	08						
AD-647 067	7D	U67	08						
AD-647 068	7R	U67	08						
AD-647 069	7E	U67	08						
AD-647 070	6E	U67	08	HC$	3.00	MF$	0.65		
AD-647 071	20J	U67	08						
AD-647 072	11C	U67	08	HC$	3.00	MF$	0.65		
AD-647 073	20B	U67	08						
AD-647 074	20D	U67	08						
AD-647 075	3B	U67	08	HC$	3.00	MF$	0.65		
AD-647 07A	8G	U67	08	HC$	3.00	MF$	0.65		
AD-647 077	7E	U67	08						
AD-647 078	20J	U67	08						
AD-647 079	20N	U67	08	HC$	3.00	MF$	0.65		
AD-647 080	7D	U67	08						
AD-647 081	20D	U67	08	HC$	3.00	MF$	0.65		
AD-647 082	7D	U67	08	HC$	3.00	MF$	0.65		
AD-647 083	7D	U67	08	HC$	3.00	MF$	0.65		
AD-647 084	5I	U67	08	HC$	3.00	MF$	0.65		
AD-647 085	13F	U67	08	HC$	3.00	MF$	0.65		
AD-647 086	9A	U67	08	HC$	3.00	MF$	0.65		
AD-647 087	20L	U67	08	HC$	3.00	MF$	0.65		
AD-647 088	4B	U67	08	HC$	3.00	MF$	0.65		
AD-647 089	20D	U67	08						
AD-647 090	7D	U67	08						
AD-647 091	5J	U67	08						
AD-647 092	5J	U67	08	HC$	3.00	MF$	0.65		
AD-647 093	20D	U67	08						
AD-647 094	12A	U67	08						
AD-647 095	7D	U67	08						
AD-647 096	7E	U67	08						
AD-647 097	7D	U67	08						
AD-647 098	7D	U67	08						
AD-647 099	7D	U67	08						
AD-647 100	8L	U67	08						
AD-647 101	7D	U67	08						
AD-647 102	7D	U67	08						
AD-647 103	7D	U67	08						
AD-647 104	20N	U67	08						
AD-647 105	6E	U67	08						
AD-647 106	20N	U67	08						
AD-647 107	8G	U67	08						
AD-647 108	7D	U67	08						
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3B U67 08

3B U67 08

4A U67 08

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7D U67 08

9B U67 08

7D U67 08

20A U67 08

7D U67 08

9B U67 08

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9B U67 08

3R U67 08

3B U67 08

7D U67 08

20A U67 08

4A U67 08

7D U67 08

9B U67 08

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6P U67 08	
6P U67 08	
7D U67 08	
7D U67 08	
7A U67 08	
20B U67 08	
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7C U67 08 HC$ 3.00 MF$ 0.65	
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5J U67 08 HC$ 3.00 MF$ 0.65	
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20D U67 08	
20D U67 08	
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20J U67 08	
20J U67 08	

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AFOSR-67-0598
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AFOSR-67-0599
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AFOSR-67-0601
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AFOSR-67-0602
AD-647 521 7C U67 08
AFOSR-67-0603
AD-647 522 7C U67 08
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AGC-3247
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AMD-TR-66-3
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AMRA-TR-67-06
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ARL-66-0211
AD-647 317 7B U67 08
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ARL-66-0216
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ARL-66-0246
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AD-647 482 20L U67 88
AROD-3655 31
AD-647 484 20L U67 88
AROD-3655 32
AD-647 486 20L U67 88
AROD-3655 33
AD-647 491 20L U67 88
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AROD-5117 6
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AROD-5133 36
AD-647 566 7D U67 88
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AROD-5840 1
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AROD-6010 2
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CONTRIB-1953
AD-647 375 7C U67 88
CONTRIB-951
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DAC-57950
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EDL-M955
AD-645 984
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20L U67 68 HC$ 3.00 MF$ 0.65
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FTD-HT-66-368
AD-647 714
FTD-HT-66-372
AD-647 735
FTD-HT-66-392
AD-647 715
FTD-HT-66-410
AD-646 961
FTD-HT-66-523
AD-647 717
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Kansas City, Mo., 64106, Room 2011, 911 Walnut Street. FRanklin 4-3141.
Los Angeles, Calif., 90015, Room 450, Western Pacific Building, 1031 S. Broadway. Phone: 688-2833.
Memphis, Tenn., 38103, 345 Federal Office Building, 167 North Main Street. Phone: 534-3214.
Miami, Fla., 33130, 928 Federal Office Bldg., 51 S.W. First Avenue. Phone: 350-5267
Milwaukee, Wis., 53203, Straus Bldg., 238 W. Wisconsin Avenue. Phone: BR 2-8600.
Minneapolis, Minn., 55401, 306 Federal Building, 110 South Fourth Street. Phone: 334-2133.
New Orleans, La., 70130, 909 Federal Office Building (South), 610 South Street. Phone: 527-6546.
New York, N.Y., 10001, 61st Fl., Empire State Bldg., 350 Fifth Avenue. LOngacre 3-3377.
Philadelphia, Pa., 19107, Jefferson Building, 1015 Chestnut Street. Phone: 597-2850.
Phoenix, Ariz., 85025, 5413 New Federal Building, 230 N. First Avenue. Phone: 261-3285.
Pittsburgh, Pa., 15222, Room 2201, Federal Building, 1000 Liberty Avenue. Phone: 644-2850.
Portland, Oreg., 97204, 217 Old U.S. Courthouse, 520 S. W. Morrison Street. Phone: 226-3361.
Reno, Nev., 89502, 2028 Federal Building, 300 Booth Street. Phone: 784-5203.
Richmond, Va., 23240, 2105 Federal Building, 400 North 8th Street. Phone: 649-3611.
St. Louis, Mo., 63103, 2511 Federal Building, 1520 Market Street. MAin 2-4243.
Salt Lake City, Utah, 84111, 3235 Federal Building, 125 South State Street. Phone: 524-5116.
San Francisco, Calif., 94102, Federal Building, Box 36013. 450 Golden Gate Avenue. Phone: 556-5864.
Santurce, Puerto Rico, 00907, Room 628, 605 Condado Avenue. Phone: 723-4640.
Savannah, Ga., 31402, 235 U.S. Courthouse and Post Office Bldg., 125-29 Bull Street. Phone: 232-4321.
Seattle, Wash., 98104, 809 Federal Office Bldg., 909 First Avenue. 583-5615.

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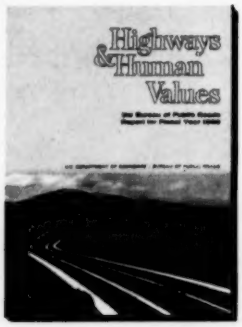

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